**Nuclide Analysis Results of the Radioactive Materials in the Air at Fukushima Nuclear Power Stations < 1/2 >**

(Data summarized on August 21)

<table>
<thead>
<tr>
<th>Place of Sampling</th>
<th>The West Gate of Fukushima Daiichi NPS</th>
<th>② Density Limit Specified by the Reactor Regulation (Bq/cm³)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Time of Sampling</td>
<td>August 20, 2013 7:00 AM - 12:00 PM</td>
<td>(Density limit in the air which radiation workers breathe in is specified in section 4 of Appendix 2)</td>
</tr>
<tr>
<td>Detected Nuclides (Half-life)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>I-131 (Approx. 8 days)</td>
<td>ND</td>
<td>1E-03</td>
</tr>
<tr>
<td>Cs-134 (Approx. 2 years)</td>
<td>ND</td>
<td>2E-03</td>
</tr>
<tr>
<td>Cs-137 (Approx. 30 years)</td>
<td>2.0E-07</td>
<td>3E-03</td>
</tr>
</tbody>
</table>

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

0.0E-0 is the same as 0.0 x 10^-0

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 at the west gate of Fukushima Daiichi NPS are as follows:

Volatile: I-131: Approx. 9E-8Bq/cm³, Cs-134: Approx.2E-7Bq/cm³, Cs-137: Approx.2E-7Bq/cm³ Particulate: I-131: Approx. 6E-8Bq/cm³, Cs-134: Approx.1E-7Bq/cm³
## Nuclide Analysis Results of the Radioactive Materials in the Air at Fukushima Nuclear Power Stations < 2/2

(Data summarized on August 21)

<table>
<thead>
<tr>
<th>Place of Sampling</th>
<th>MP-1 at Fukushima Daiichi NPS</th>
<th>MP-3 at Fukushima Daiichi NPS</th>
<th>MP-8 at Fukushima Daiichi NPS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Time of Sampling</td>
<td>August 20, 2013 8:17 AM - 1:17 PM</td>
<td>August 20, 2013 8:59 AM - 1:59 PM</td>
<td>August 20, 2013 8:33 AM - 1:33 PM</td>
</tr>
<tr>
<td>Detected Nuclides (Half-life)</td>
<td>Density of Sample (Bq/cm³)</td>
<td>Scaling Factor (①/②)</td>
<td>Density of Sample (Bq/cm³)</td>
</tr>
<tr>
<td>I-131 (Approx. 8 days)</td>
<td>ND</td>
<td>-</td>
<td>ND</td>
</tr>
<tr>
<td>Cs-134 (Approx. 2 years)</td>
<td>ND</td>
<td>-</td>
<td>ND</td>
</tr>
<tr>
<td>Cs-137 (Approx. 30 years)</td>
<td>ND</td>
<td>-</td>
<td>ND</td>
</tr>
</tbody>
</table>

① Density Limit Specified by the Reactor Regulation (Bq/cm³)
② Density limit in the air which radiation workers breathe in is specified in section 4 of Appendix 2)

* 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 x 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. 9E-8Bq/cm³, Cs-134: Approx.2E-7Bq/cm³, Cs-137: Approx.3E-7Bq/cm³ Particulate: I-131: Approx. 6E-8Bq/cm³, Cs-134: Approx.1E-7Bq/cm³, Cs-137: Approx.2E-7Bq/cm³ As the detection limit may vary depending on the detectors and sample properties, there are cases where nuclides below the detection limit are detected.
Dust Nuclides Analysis Result: The West Gate of Fukushima Daiichi Nuclear Power Station (Bq/cm³)

- I-131 (Total) (1E-3 Bq/cm³)
- Cs-134 (Total) (2E-3 Bq/cm³)
- Cs-137 (Total) (3E-3 Bq/cm³)

Notification Level:
- Cs-137 (3E Bq/cm³)
- Cs-134 (2E Bq/cm³)
- I-131 (1E Bq/cm³)
Analysis Result of Pu in the Air at Fukushima Daiichi Nuclear Power Station

1. Measurement Result:

<table>
<thead>
<tr>
<th>Place of Sampling</th>
<th>Type</th>
<th>Date of Sampling</th>
<th>Pu-238</th>
<th>Pu-239+Pu-240</th>
</tr>
</thead>
<tbody>
<tr>
<td>1F, West Gate</td>
<td>Volatile</td>
<td>Mar 11, 2013</td>
<td>N.D. [&lt;6.3×10^{-10}]</td>
<td>N.D. [&lt;6.3×10^{-10}]</td>
</tr>
<tr>
<td></td>
<td>Particulate</td>
<td></td>
<td>N.D. [&lt;7.6×10^{-10}]</td>
<td>N.D. [&lt;7.6×10^{-10}]</td>
</tr>
</tbody>
</table>

[ ] shows below the detection limit.

2. Analytical Institution
KAKEN Inc.

3. Evaluation:
Pu-238 and Pu-239+Pu-240 were not detected in the sample collected this time.

End
Dust Nuclides Analysis Result: MP-1 at Fukushima Daiichi NPS (Bq/cm³)

There is no plot data after May 14 as no nuclide detected.

- **I-131 (Total)**: $1.0 \times 10^{-3}$ Bq/cm³
- **Cs-134 (Total)**: $2.0 \times 10^{-3}$ Bq/cm³
- **Cs-137 (Total)**: $1.0 \times 10^{-3}$ Bq/cm³
Dust Nuclides Analysis Result: MP-3 at Fukushima Daiichi NPS (Bq/cm³)

There is no plot data after May 14 as no nuclide detected.

- I-131 (Total) = 1E-3 Bq/cm³
- Cs-134 (Total) = 2E-3 Bq/cm³
- Cs-137 (Total) = 3E-3 Bq/cm³

Notification Level:
- Green line for Cs-137 (3E-3 Bq/cm³)
- Blue line for Cs-134 (2E-3 Bq/cm³)
- Pink line for I-131 (1E-3 Bq/cm³)
Dust Nuclides Analysis Result: MP-8 at Fukushima Daiichi NPS (Bq/cm³)

There is no plot data after May 14 as no nuclide detected.

- Cs-137 (Total): 3E-3Bq/cm³
- Cs-134 (Total): 2E-3Bq/cm³
- I-131 (Total): 1E-3Bq/cm³

Notification Level:
- Cs-137 (3E-3Bq/cm³)
- Cs-134 (2E-3Bq/cm³)
- I-131 (1E-3Bq/cm³)