### Definite Results of Nuclides Analysis at Fukushima Daiichi Nuclear Power Station

**Announced from MM/DD to MM/DD**

< Legend >  
- γ nuclides except for the major 3 nuclides (I-131, Cs-134, Cs-137) were not detected. ⇒ Please refer to the preliminary reports for the result of the major nuclides detected.  
- γ nuclides other than the major 3 nuclides (I-131, Cs-134, Cs-137) were detected. ⇒ Please refer to the following pages.  
- Not applicable or cancelled due to the bad weather

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<td>Nuclide Analysis Results of Radioactive Materials in the Air above the Reactor Building at Fukushima Daiichi NPS (Upper Part of Unit 4 Reactor Building)</td>
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</table>
### Nuclides Analysis Results of the Radioactive Materials in the Air at the Opening of Buildings at Fukushima Daiichi NPS

**【確報版】福島第一原子力発電所 建屋開口部等における空気中放射性物質の核種分析結果**

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<th>Place of Sampling</th>
<th>Time of Sampling</th>
<th>Detected Nuclides (Half-life)</th>
<th>① Density of Sample (Bq/cm³)</th>
<th>Scaling Factor (①/②)</th>
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<th>Scaling Factor (①/②)</th>
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<th>Scaling Factor (①/②)</th>
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<td>3rd Floor of Auxiliary Operation Shared Facility (Around the Machine Hatch) 運用補助共用施設3階（機器ハッチ近傍）</td>
<td>From YY/MM/DD Time To YY/MM/DD Time</td>
<td>I-131 (Approx. 8 days)</td>
<td>1</td>
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<tr>
<td>3rd Floor of Auxiliary Operation Shared Facility (In Front of South Stairs) 運用補助共用施設3階（南側階段前）</td>
<td>From YY/MM/DD Time To YY/MM/DD Time</td>
<td>Cs-134 (Approx. 2 years)</td>
<td>1</td>
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<tr>
<td>3rd Floor of Auxiliary Operation Shared Facility (In Front of North Stairs) 運用補助共用施設3階（北側階段前）</td>
<td>To YY/MM/DD Time To YY/MM/DD Time</td>
<td>Cs-137 (Approx. 30 years)</td>
<td>1</td>
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<td>3rd Floor of Auxiliary Operation Shared Facility (In Front of North Stairs) 運用補助共用施設3階（北側階段前）</td>
<td>To YY/MM/DD Time To YY/MM/DD Time</td>
<td>Mn-54 (Approx. 310 days)</td>
<td>1</td>
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<td>3rd Floor of Auxiliary Operation Shared Facility (In Front of North Stairs) 運用補助共用施設3階（北側階段前）</td>
<td>To YY/MM/DD Time To YY/MM/DD Time</td>
<td>Co-60 (Approx. 5 years)</td>
<td>1</td>
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<td>3rd Floor of Auxiliary Operation Shared Facility (In Front of North Stairs) 運用補助共用施設3階（北側階段前）</td>
<td>To YY/MM/DD Time To YY/MM/DD Time</td>
<td>Nb-95 (Approx. 35 days)</td>
<td>1</td>
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<td>To YY/MM/DD Time To YY/MM/DD Time</td>
<td>Te-99m (Approx. 6 hrs)</td>
<td>1</td>
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<td>To YY/MM/DD Time To YY/MM/DD Time</td>
<td>Ru-106 (Approx. 370 days)</td>
<td>1</td>
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<td>3rd Floor of Auxiliary Operation Shared Facility (In Front of North Stairs) 運用補助共用施設3階（北側階段前）</td>
<td>To YY/MM/DD Time To YY/MM/DD Time</td>
<td>Ag-110m (Approx. 250 days)</td>
<td>1</td>
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<td>To YY/MM/DD Time To YY/MM/DD Time</td>
<td>Sb-125 (Approx. 3 yrs)</td>
<td>1</td>
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<td>3rd Floor of Auxiliary Operation Shared Facility (In Front of North Stairs) 運用補助共用施設3階（北側階段前）</td>
<td>To YY/MM/DD Time To YY/MM/DD Time</td>
<td>Te-129 (Approx. 70 mins)</td>
<td>1</td>
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<td>3rd Floor of Auxiliary Operation Shared Facility (In Front of North Stairs) 運用補助共用施設3階（北側階段前）</td>
<td>To YY/MM/DD Time To YY/MM/DD Time</td>
<td>Te-129m (Approx. 34 days)</td>
<td>1</td>
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<td>To YY/MM/DD Time To YY/MM/DD Time</td>
<td>I-132 (Approx. 2 hrs)</td>
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<td>To YY/MM/DD Time To YY/MM/DD Time</td>
<td>Te-132 (Approx. 78 hrs)</td>
<td>1</td>
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<td>To YY/MM/DD Time To YY/MM/DD Time</td>
<td>I-133 (Approx. 21 hrs)</td>
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<td>3rd Floor of Auxiliary Operation Shared Facility (In Front of North Stairs) 運用補助共用施設3階（北側階段前）</td>
<td>To YY/MM/DD Time To YY/MM/DD Time</td>
<td>Cs-136 (Approx. 13 days)</td>
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<td>To YY/MM/DD Time To YY/MM/DD Time</td>
<td>Ba-140 (Approx. 13 days)</td>
<td>1</td>
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<td>To YY/MM/DD Time To YY/MM/DD Time</td>
<td>La-140 (Approx. 40 hrs)</td>
<td>1</td>
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* 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

* 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 of the major three nuclides not detected are as follows:

Volatile: I-131: Approx. O.E-OBq/cm³, Cs-134: Approx. O.E-OBq/cm³, Cs-137: Approx. O.E-OBq/cm³

Particulate: I-131: Approx. O.E-OBq/cm³, Cs-134: O.E-OBq/cm³, Cs-137: Approx. O.E-OBq/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.
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<tr>
<th>Place of Sampling</th>
<th>Ventilation facility of Unit 2 reactor bldg. (Opening of exhaust gas filter)</th>
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| Detected Nuclides | I-131 (Approx. 8 days)  
|                   | Cs-134 (Approx. 2 years)  
|                   | Cs-137 (Approx. 30 years)  
|                   | Mn-54 (Approx. 310 days)  
|                   | Co-60 (Approx. 5 years)  
|                   | Nb-95 (Approx. 35 days)  
|                   | Tc-99m (Approx. 6 hrs)  
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|                   | Te-132 (Approx. 78 hrs)  
|                   | I-133 (Approx. 21 hrs)  
|                   | Cs-136 (Approx. 13 days)  
|                   | Ba-140 (Approx. 13 days)  
|                   | La-140 (Approx. 40 hrs)  

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<th>To YY/MM/DD Time</th>
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<td>Detected Nuclides</td>
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<td>Scaling Factor (①/②)</td>
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① Density Limit in the Air for Workers to Engage in Radiation Related Tasks (Bq/cm³) *

* The radioactivity density is the sum of the volatile nuclides density and the particulate nuclides density.
* "ND" indicates that the measurement result is below the detection limit.

Detection limits for Ventilation facility of Unit 2 reactor bldg. (Opening of exhaust gas filter) are as follows:

- For Volatile radioactive materials: I-131: OE-OBq/cm³, Cs-134: OE-OBq/cm³, and Cs-137 is OE-OBq/cm³
- For Particle radioactive materials: I-131: OE-OBq/cm³

Detection limits for Ventilation facility of Unit 2 reactor bldg. (Outlet of exhaust gas filter) are as follows:

- For Volatile radioactive materials: I-131: OE-OBq/cm³, Cs-134: OE-OBq/cm³, and Cs-137 is OE-OBq/cm³
- For Particle radioactive materials: I-131: OE-OBq/cm³, Cs-134: OE-OBq/cm³, and Cs-137 is OE-OBq/cm³