

## Airborne Monitoring by MEXT and Ibaraki Prefecture

July 25, 2011

Ministry of Education, Culture, Sports, Science and Technology

Ibaraki prefecture

### 1. Airborne Monitoring by MEXT and Ibaraki Prefecture

In order to understand the effects over a wide area due to radioactive substances, and for the assessment of future doses and of the deposition of radioactive substances in evacuation zones, etc., the Ministry of Education, Culture, Sports, Science and Technology has conducted airborne monitoring in areas within 100 km of Fukushima Dai-ichi NPP (with regard to the south of Fukushima Dai-ichi NPP, as far as to around 120 km) including Ibaraki Prefecture northern part..

The request of Ibaraki Prefecture in addition to this is received, and the aircraft monitoring of Ibaraki Prefecture is executed.

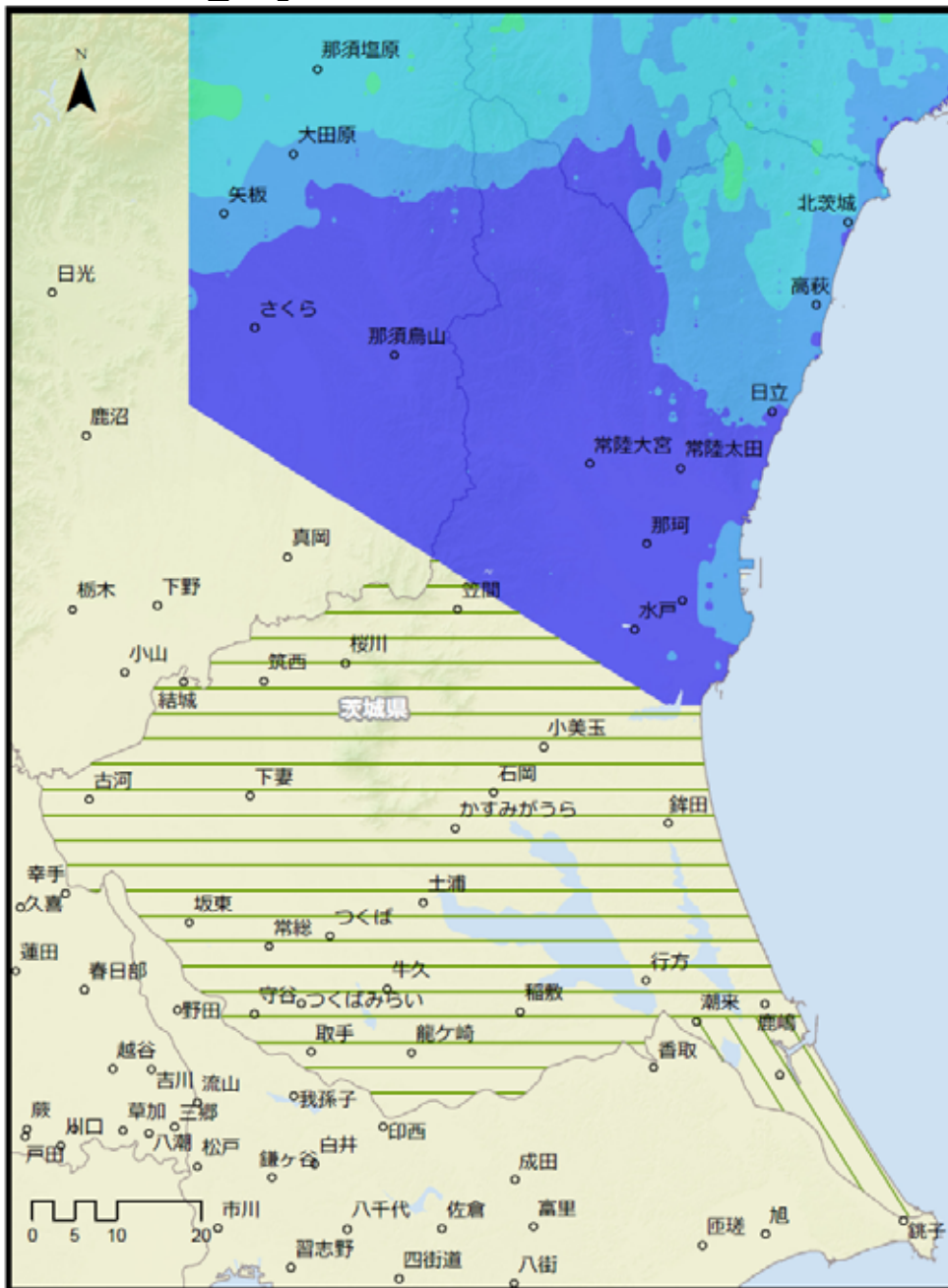
The monitoring shall be conducted by staff of the Japan Atomic Energy Agency and the Nuclear Safety Technology Center, using the airborne monitoring system provided by the United States Department of Energy (DOE) equipped on a helicopter for disaster safety owned by Miyagi prefecture.

- \*1 Airborne monitoring is a technique in which highly sensitive, large radiation detectors are installed in aircraft, and gamma rays from radioactive substances accumulated in the ground are quickly measured over a large area, in order to check the surface deposition.

### 2. Details of Airborne Monitoring by MEXT and Ibaraki Prefecture

- Measurement dates: For about one week from July 26
  - \* The schedule may be changed due to preparation and weather conditions.
- Aircraft: A helicopter for disaster safety owned by Ibaraki prefecture (BK 117—C 2 Type)
- Items covered:
  - Air dose rate 1 m above the ground surface and deposition of radioactive substances in the ground surface, in the northern part of Ibaraki prefecture out of a 120 km range of Fukushima Dai-ichi NPP (see the Annex)
- Method to release the results: Released by MEXT and Ibaraki prefecture

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\*Required period for monitoring may change due to weather conditions

\*As airplanes cannot fly low in mountainous areas, measurement may not be conducted there.

## (Specifications)

- Grid size: 3 km (A populous part and the part where the air dose rate is high are investigated in detail. )
- Target altitude: 150 ~ 300 m
- Period: For about one week from July 26
- Items covered: Air dose rate 1 m above the ground surface and deposition of radioactive substances in the ground surface, in Ibaraki prefecture out of a 120 km range of Fukushima Dai-ichi NPP (see the Annex)