Measurement Results from the Radiation Monitoring Action Plan to Support Return to and Restoration of Areas to which Evacuation Orders Are Ready to be Lifted (Minami Soma city, Tamura city, and Kawauchi village) (Wide-area Monitoring Using Unmanned Helicopters)

May 18, 2012

Emergency Operation Center, MEXT
Team in Charge of Assisting the Lives of Victims around the Nuclear Power Plant, Cabinet Office

1. Objective

In the Areas to which Evacuation Orders Are Ready to be Lifted (Minami Soma city, Tamura city, and Kawauchi village), which were newly established after a review of areas in April 2012, strengthened monitoring is required to ensure safety and provide residents with peace of mind. In response, MEXT, the Team in Charge of Assisting the Lives of Victims around the Nuclear Power Plant (Cabinet Office), the Reconstruction Agency, and the Local Nuclear Emergency Response Headquarters have been conducting the following monitoring surveys since April 2012, by making arrangements with related municipalities and Fukushima prefecture, as one of the measures to support residents' return to these areas.

(i) Monitoring at major locations in the premises of elementary schools, junior high schools, high schools, kindergartens, and nurseries (hereinafter referred to as "schools, etc."), hospitals, libraries, children's halls, children's centers, facilities for disabled children, and after-school children's clubs (hereinafter referred to as "public facilities, etc.")

(ii) Detailed monitoring over areas at school zones and parks, etc. by using unmanned helicopters, focusing on people's living areas, mainly schools, etc. and public facilities, etc.

(iii) Detailed monitoring in response to individual requests from municipalities

The measurement results of some of the monitoring surveys conducted in April 2012 have been compiled and released as follows.

2. Outline of measurement results released at this time

Detailed monitoring over areas at school zones and parks, etc. by using unmanned helicopters, focusing on people's living areas, mainly schools, etc. and public facilities, etc.

1) Outline of the measurements

Air dose rates (at heights of 1m and 50cm) were measured widely over *satoyama*, etc. in Tamura city using unmanned helicopters (conducted on April 25, 2012).

2) Measurement targets

Tamura city: 5 locations [Kotakizawa region, Onogawa region, Jikenjou region, Baba region, and Goshi region]

3) Measurement results

Air dose rates detected at this time via unmanned helicopter monitoring were all below 1.0μSv/h. The Jikenjou region was one of the model regions of the decontamination demonstration conducted by the Cabinet Office in FY2011 (decontamination commenced in December 2011 and ended in January 2012).

- Range of air dose rates detected at a height of 1m
  0.4μSv/h (Onogawa region and Jikenjou region) to 1.0μSv/h (Baba region and Goshi region)
- Range of air dose rates detected at a height of 50cm
  0.4μSv/h (Jikenjou region) to 1.0μSv/h (Baba region and Goshi region)

(Table) Range of Air Dose Rates Detected Using Unmanned Helicopters at Each Measuring location in Tamura City

(unit: μSv/h)

Height	Kotakizawa region	Onogawa region	Jikenjou region	Baba region	Goshi region
1m	0.5 to 0.9	0.4 to 0.7	0.4 to 0.8	0.6 to 1.0	0.5 to 1.0
50cm	0.5 to 0.9	0.5 to 0.8	0.4 to 0.8	0.7 to 1.0	0.5 to 1.0

3. Maps compiling the measurement results released at this time

Based on the measurement results, (1) a radiation distribution map which compiles the current measurement results, and (2) a radiation distribution map which also compiles the "Readings of Detailed Monitoring in Restricted Areas and Planned Evacuation Areas (7th vehicle-borne survey using monitoring cars)" conducted from March to April 2012 (announced on April 27, 2012 by the Team in Charge of Assisting the Lives of Disaster Victims (Cabinet Office))* have been created.

The following radiation distribution maps have been released:

- Radiation distribution map compiling the current measurement results (at a height of 1m)
- Radiation distribution map compiling the current measurement results (at a height of 50cm)
  (Reference) Radiation distribution map also compiling the "Readings of Detailed Monitoring in Restricted Areas and Planned Evacuation Areas (7th vehicle-borne survey using monitoring cars)" (at a height of 1m)

* When creating the radiation distribution map which compiles the results of the current wide-area monitoring using unmanned helicopters with the readings from detailed monitoring in restricted areas and planned evacuation areas (7th vehicle-borne survey using monitoring cars), the measurement results (air dose rates) obtained on specific measurement dates are indicated without correcting for decay due to differences in measurement dates.

(Attachment) Radiation Monitoring Action Plan to Support Return to and Restoration of Areas being Prepared for Removal of Evacuation Orders (Minami Soma city, Tamura city and Kawauchi village) (extract)

[April 18, 2012; Team in Charge of Assisting the Lives of Disaster Victims (Cabinet Office), Reconstruction Agency, Emergency Operation Center (MEXT), Ministry of the Environment]