

# Readings of Radiation Monitoring under the Action Plan toward the Removal of the Designation of Emergency Evacuation Preparation Areas

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## <Outline>

It is urgently needed to conduct various types of monitoring at Minami Soma city, Tamura city, Kawauchi village, Hirono town, and Naraha town, and compile and publicize the results thereof in an easy-to-use manner, with the aim of realizing the removal of the designation of emergency evacuation preparation areas.

In order to secure peaceful life for residents, placing importance on children's points of view and requests from the local communities, MEXT, the Local Nuclear Emergency Response Headquarters, and related organizations conducted monitoring as shown in (i) to (iii) below in July, in collaboration with related ministries and agencies and Fukushima prefecture, and have compiled preliminary radiation distribution maps by combining the measurement results obtained through the monitoring surveys. We publicize the maps, together with respective readings of the monitoring.

- (i) Monitoring at major points on the premises of elementary schools, junior high schools, high schools, kindergartens, and nurseries (hereinafter referred to as "schools, etc."), as well as hospitals, libraries, children's centers, facilities for children with disabilities, and after-school children's clubs (hereinafter referred to as "public facilities, etc.")
- (ii) Vehicle-borne survey and wide-area detailed monitoring in school zones and parks by unmanned helicopter, focusing on people's living space, such as schools, etc. and public facilities, etc.
- (iii) Detailed monitoring in response to requests from municipalities

The results of the monitoring mainly in the emergency evacuation preparation areas show that at almost all points monitored, including those near the major points such as schools, air dose rates measured at the height of 1m and 50cm above the ground were between 1.0 $\mu$ Sv/h and less than 1.9 $\mu$ Sv/h (indicated in light blue on the maps) or less than 1.0 $\mu$ Sv/h (indicated in blue on the maps). However, in some parts of Minami Soma city, Tamura City, and Kawauchi village (at roads close to the planned evacuation areas and points close to the specific spots recommended for evacuation), air dose rates exceeding 3.0 $\mu$ Sv/h were detected at the height of 1m above the ground.

○Maximum and minimum air dose rates detected in the monitoring by municipality

(Upper: at 1m above the ground [ $\mu\text{Sv/h}$ ]; Lower: at 50cm above the ground [ $\mu\text{Sv/h}$ ])

Monitoring <sup>1</sup>	Minami Soma city	Tamura city	Kawauchi village	Hirono town	Naraha town
(i) <sup>2</sup> [Outdoor]	0.1-1.4	0.2-1.0	0.3-0.5	0.3-0.8	-
	0.2-1.4	0.2-1.1	0.4-0.6	0.3-0.9	-
(ii)	0.1-4.2	0.2-3.6	0.2-2.0	0.3-1.6	-
	0.1-4.7	0.3-4.0	0.2-2.2	0.3-1.8	-
(iii) <sup>2</sup>	0.47-3.0	0.2-3.1	0.2-4.5	0.3-1.4	0.6-1.1
	0.47-5.5	-	0.2-4.7	0.5-0.9	0.8-1.6

\*1 (i) to (iii) in the table correspond to monitoring (i) to (iii) in the explanation above, respectively

\*2 The results of (i) and (iii) measured at the points are indicated with  $\Delta$  on the maps.

The results of the current monitoring surveys will be used by the national and local governments as reference data for considering measures for realizing people's return to their homes in the emergency evacuation preparation areas. Detailed radiation distribution maps of the emergency evacuation preparation areas will be publicized by mid-August.

Additional monitoring will be conducted as needed within the emergency evacuation preparation areas, based on the Comprehensive Monitoring Plan (decision by the Monitoring Coordination Meeting on August 2, 2011) and in response to requests from respective municipalities.

(Breakdown)

1. Results of the Measurement at the Emergency Evacuation Preparation Areas  
[Minami Soma City]

- Distribution map of air dose rates in the emergency evacuation preparation areas

(List of measured data)

- 1) Readings of detailed monitoring at major points in Minami Soma City
- 2) Readings of detailed monitoring based on requests from Minami Soma City

2. Results of the Measurement at the Emergency Evacuation Preparation Areas  
[Tamura City]

- Distribution map of air dose rates in the emergency evacuation preparation areas

(List of measured data)

- 1) Readings of detailed monitoring at major points in Tamura City
- 2) Readings of detailed monitoring based on requests from Tamura City

3. Results of the Measurement at the Emergency Evacuation Preparation Areas  
[Kawauchi Village]

- Distribution map of air dose rates in the emergency evacuation preparation areas

(List of measured data)

- 1) Readings of detailed monitoring at major points in Kawauchi Village
- 2) Readings of detailed monitoring based on requests from Kawauchi Village

4. Results of the Measurement at the Emergency Evacuation Preparation Areas  
[Hirono Town]

- Distribution map of air dose rates in the emergency evacuation preparation areas

(List of measured data)

- 1) Readings of detailed monitoring at major points in Hirono Town
- 2) Readings of detailed monitoring based on requests from Hirono Town

5. Results of the Measurement at the Emergency Evacuation Preparation Areas  
[Naraha Town]

- Distribution map of air dose rates in the emergency evacuation preparation areas

(List of measured data)

- 1) Readings of detailed monitoring based on requests from Naraha Town

(Reference)

Radiation Monitoring Action Plan toward the Realization of People's Return to Their Homes in the Emergency Evacuation Preparation Areas (July 25, 2011, MEXT and Team in Charge of Assisting the Lives of Disaster Victims, Cabinet Office)