

On-site Report

**The Situation of Radioactive Contamination of Fukushima Prefecture
Caused by Fukushima Daiichi Nuclear Power Plant Accident, 2021
—At the central part in Motomiya City and
Mt. Yomogida-dake, Mt. Takashiba-yama—**

CHIBA Shigeki*

● **Summary** ● The Fukushima Daiichi Nuclear Power Plant located in Fukushima Prefecture was destroyed by the huge earthquake (M 9.0) occurred on March 11, 2011. The large amounts of radioactive elements were scattered by the destruction of the nuclear power plant, and the eastern Japan was severely contaminated. After the Fukushima Daiichi Nuclear Power Plant accident, the author has continuously investigated the status of radioactive contamination at Fukushima Prefecture. This paper reports the results of the survey conducted in 2021. The author measured the air dose rates (1 m above the ground, γ -ray) at the central part in Motomiya City from September to December in 2021. The number of the measurement points was 2348, the range of the air dose rates was 0.07~1.05 $\mu\text{Sv/h}$, and the average value was 0.20 $\mu\text{Sv/h}$. Of these, air dose rates recorded at 1400 points were less than 0.20 $\mu\text{Sv/h}$, which was 59.7% of the total points. The air dose rates (1 m above the ground, γ -ray) at the Mt. Yomogita-dake were measured on July 16, 2021. The number of the measurement point was 112, the range of the air dose rates were 0.08~1.12 $\mu\text{Sv/h}$, and the average value was 0.25 $\mu\text{Sv/h}$. The air dose rates (1 m above the ground, γ -ray) were measured at the Mt. Takashiba-yama on May 7, 2021. The number of the measurement point was 157, the range of the air dose rates were 0.07~0.46 $\mu\text{Sv/h}$, and the average value was 0.16 $\mu\text{Sv/h}$.

Key Words: Fukushima Daiichi Nuclear Power Plant accident, air dose rate, Motomiya City, Mt. Yomogida-dake, Mt. Takashiba-yama

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*Corresponding author: Address: Fukushima Natural Environment Laboratory, 4-3, Murahigasi, Iwasato, Inawashiro-machi, Yama-gun, Fukushima 969-3141, Japan

E-mail: s.chiba@vesta.ocn.ne.jp

