

Monitoring air dose rates from a series of aircraft surveys 30 months after the Fukushima Daiichi NPS accident

December 25, 2013

Secretariat of Nuclear Regulation Authority



Contents



Monitoring air dose rates has been conducted on the bases of "Comprehensive Monitoring Plan".

(http://radioactivity.nsr.go.jp/en/contents/8000/7758/view.html).

The series of aircraft survey was reported on June 5, 2013 (http://www.nsr.go.jp/english/data/sr 0617.pdf).

http://www.nsr.go.jp/english/data/sr_0617.pdf

The precise survey was required, and then, aircraft flew with tracks of narrow intervals in the period of August 27 and September 28, 2013.

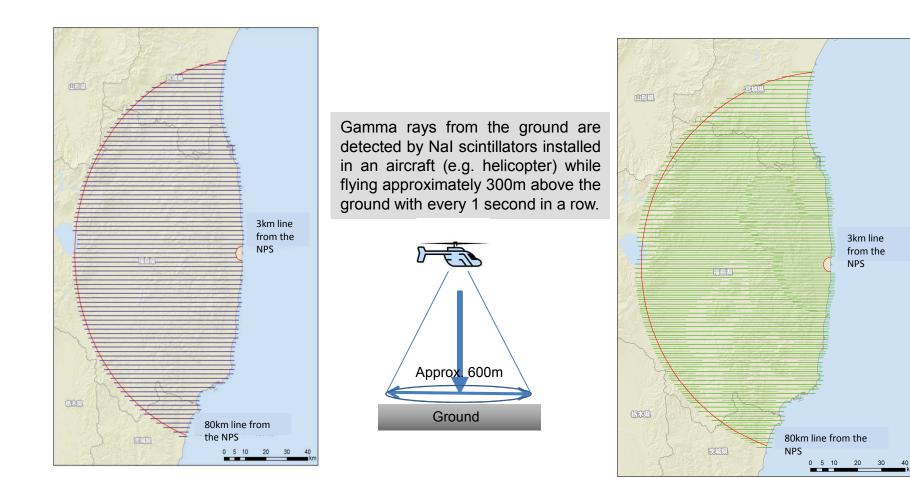
The air dose rates map with higher resolution was obtained.

The additional information can be shared with relevant organizations, parties concerned and the local people who live near the NPS or have been evacuated due to the nuclear accident.



Flight tracks 20 months (left) and 30 months (right) later





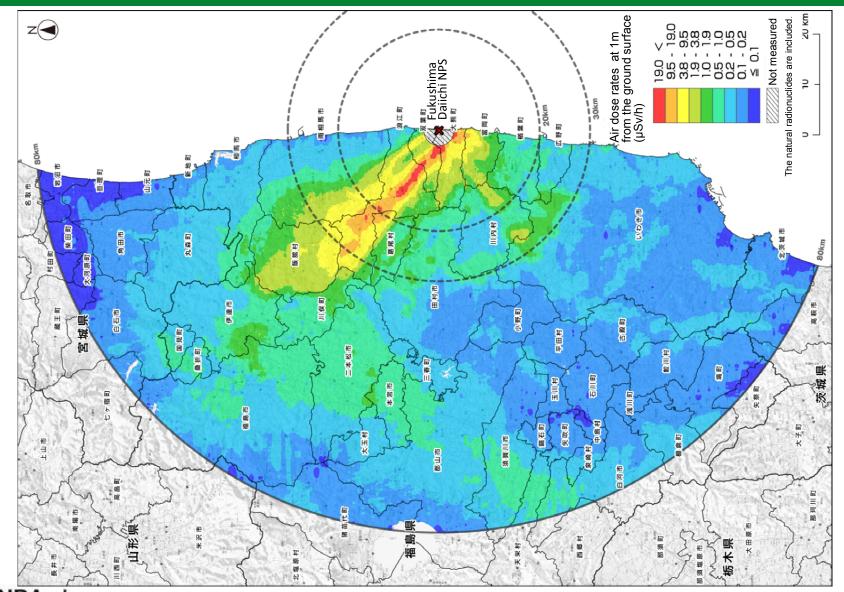
Intervals: 1.85 km: All areas in 80km zone Intervals:

1.85 km: Area of <0.2µSv/h (measured previously);
0.93 km: Area of ≥0.2µSv/h (measured previously) (except Evacuation Directed Zones);
0.62 km: Evacuation Directed Zones

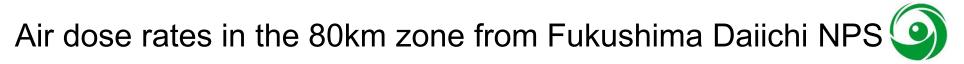


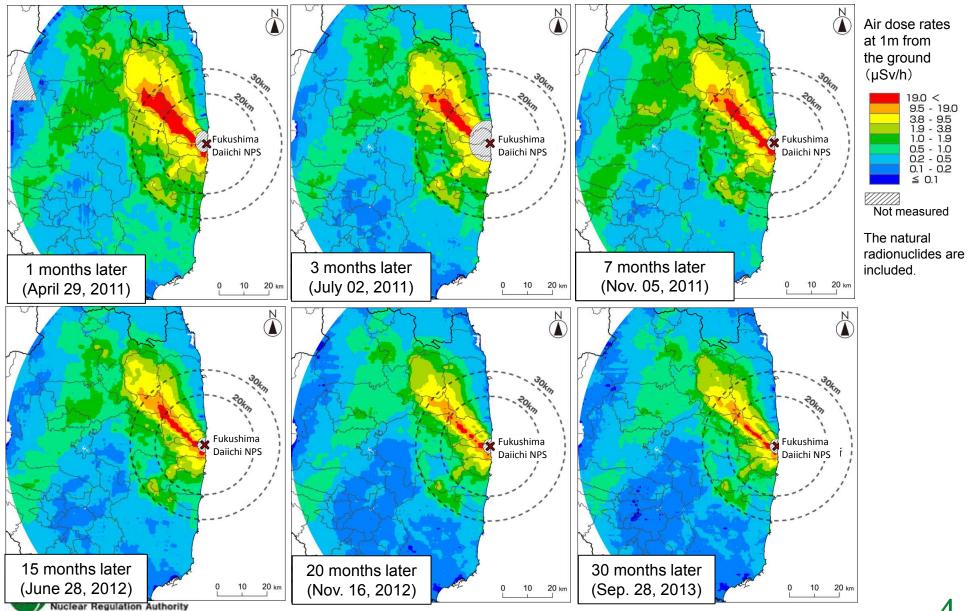


Air dose rates in the 80km zone from Fukushima Daiichi NPS 30 months later (Sep. 28, 2013)



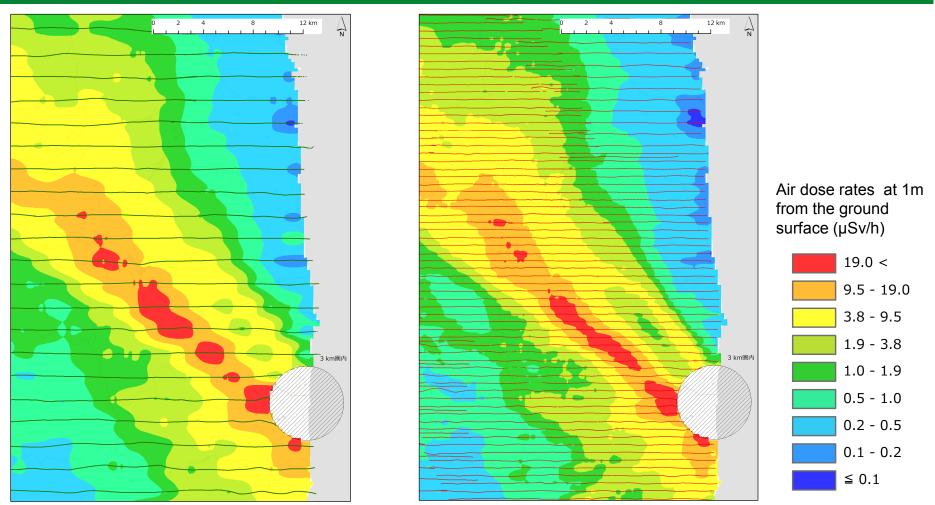






Enlarged maps of part of the 80km zone 20 months later (left) /30 months later (right)





In the survey 30 months after the accident, the intervals of flight tracks were narrower comparing with the previous flight ones. It has created the map (right figure) with high resolution enough to figure out the distribution of air dose rates.

