Readings at Reading point out of 20 Km Zone of Fukushima Dai-ichi NPP

As of 13 00 May 15, 2011

Ministry of Education, Culture, Sports, Science and Technology (MEXT)
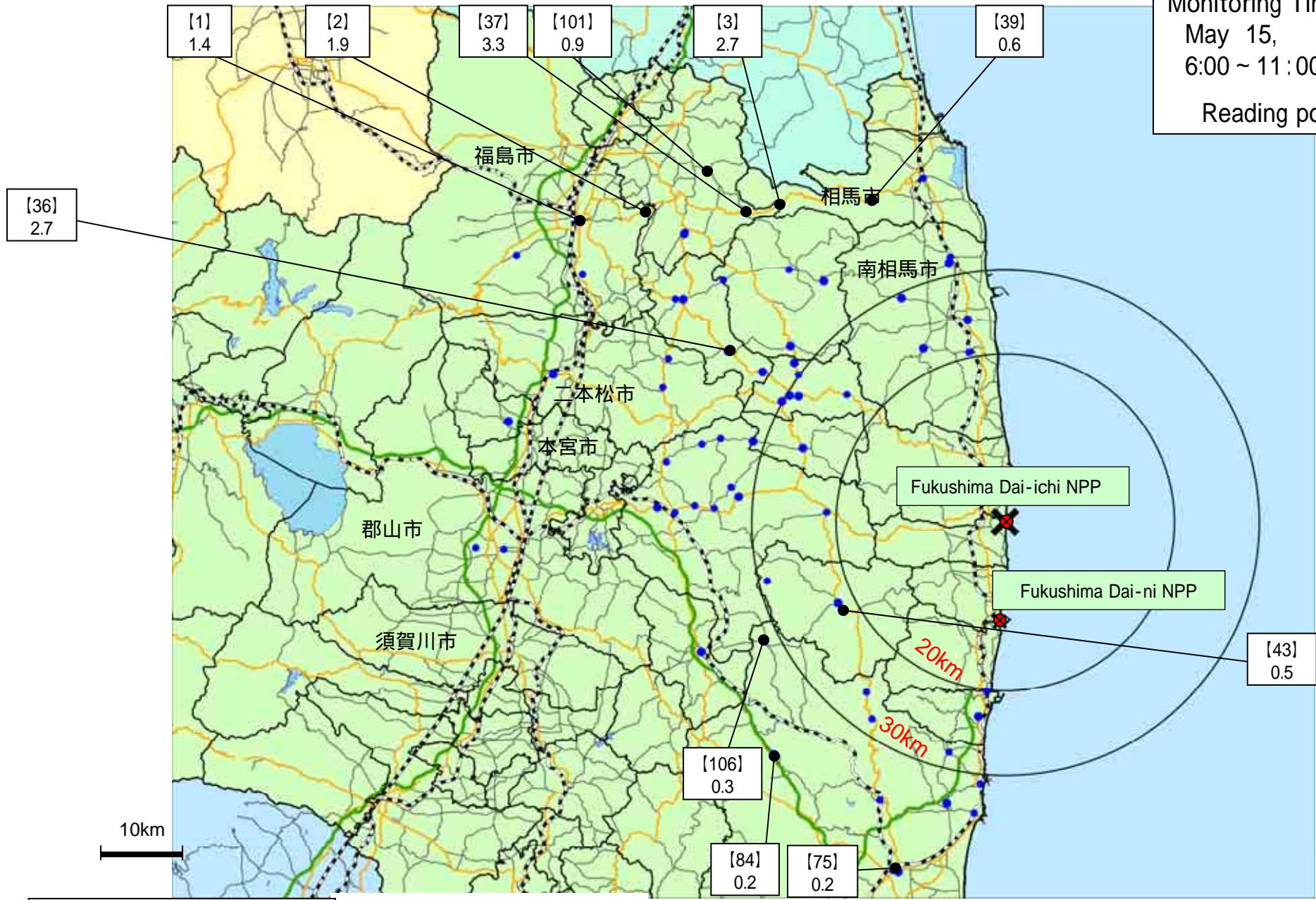
Monitoring Outputs by MEXT

measured by Geiger-Müller counter
measured by ionization chamber type survey meter
measured by NaI scintillator detector
variation range of the measuring data in measuring time

Reading point (length from NPP)		Monitoring Time	Reading unit : μSv / h)	Weather	Reading by	
Reading Point 1	Fukushima city Sugitsuma town 62k North/West	2011/5/15 8.29	1.4 *3	No Rain	MEXT	
Reading Point 2	Fukushima city Onami Takinoiri 56k North/West	2011/5/15 9.16	1.9 *3	No Rain	MEXT	
Reading Point 3	Date city Ryozen town Ishida Hikohei 46k North/West	2011/5/15 10.21	2.7 *3	No Rain	MEXT	
Reading Point 36	Date county Kawamata town Yamakiya Oonukari 40k West/North/West	2011/5/15 9.44	2.7 *3	No Rain	MEXT	
Reading Point 37	Date city Ryozen town Ishida Hojizawa 48kmNorth/West	2011/5/15 10.06	3.3 *3	No Rain	MEXT	
Reading Point 39	Soma city Yamakami Kaminamiki (41kmNorth/North/West	2011/5/15 10.50	0.6 *3	No Rain	MEXT	
Reading Point 43	Futaba county Kawauchi Village Shimokawauchi Myawata 22kmWest/South/West	2011/5/15 10.29	0.5 *3	No Rain	JAEA Japan Atomic Energy Agency	
Reading Point 75	Iwaki city Uchigoumiyamaya town 43k South/South/West	2011/5/15 10.38	0.2 *3	No Rain	JAEA Japan Atomic Energy Agency	
Reading Point 84	Iwaki city Miwa-town Saiso 39kmSouth/West	2011/5/15 9.53	0.2 *3	No Rain	JAEA Japan Atomic Energy Agency	
Reading Point 101	Date city Ryozen town Oishi aza Minowa 55kmNorth/West	2011/5/15 9.38	0.9 *3	No Rain	MEXT	
Reading Point 106	Iwaki city Kawamae town Ojiroi aza Syokangoya 32kmWest/South/West	2011/5/15 9.51	0.3 *3	No Rain	JAEA Japan Atomic Energy Agency	

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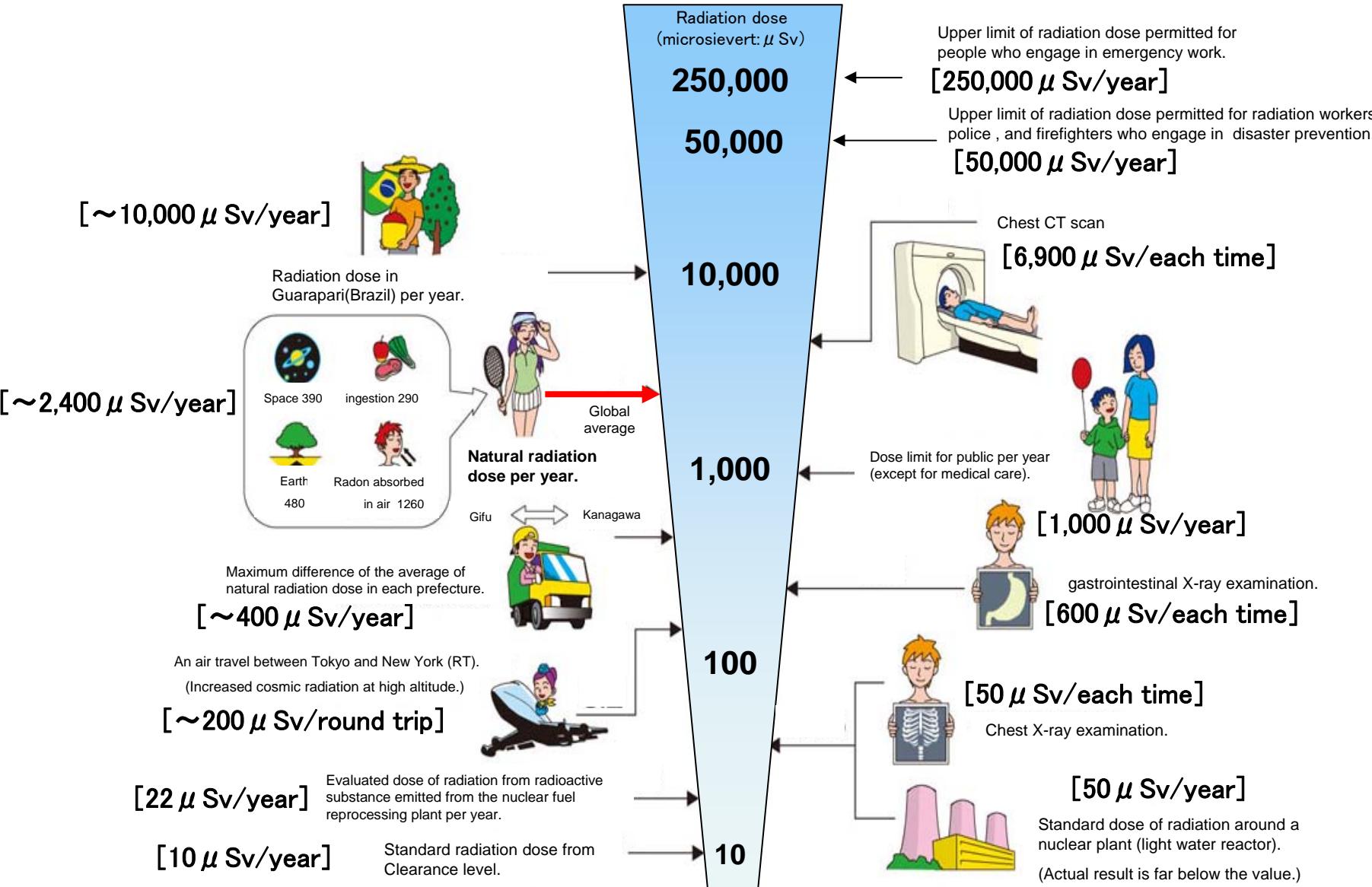
Monitoring Time
May 15,
6:00　11:00

Reading point

1	2	37	101	3	39
1.4	1.9	3.3	0.9	2.7	0.6

36
2.7

Fukushima Dai-ichi NPP

Fukushima Dai-ni NPP

20km

30km

43
0.5

106
0.3

10km

84	75
0.2	0.2

Unit μSv per hour

Circle　indicate approximate range.

Radiation in Daily-life

※Unit : μSv

Radiation dose
(microsievert: μSv)

250,000 ← Upper limit of radiation dose permitted for people who engage in emergency work.
[250,000μSv/year]

50,000 ← Upper limit of radiation dose permitted for radiation workers, police , and firefighters who engage in disaster prevention.
[50,000μSv/year]

[～10,000μSv/year]

Radiation dose in Guarapari(Brazil) per year.

Chest CT scan
[6,900μSv/each time]

10,000

[～2,400μSv/year]

Space 390   ingestion 290

Earth 480   Radon absorbed in air 1260

Natural radiation dose per year.

Global average

1,000 ← Dose limit for public per year (except for medical care).
[1,000μSv/year]

Gifu ⟷ Kanagawa

Maximum difference of the average of natural radiation dose in each prefecture.
[～400μSv/year]

gastrointestinal X-ray examination.
[600μSv/each time]

An air travel between Tokyo and New York (RT).
(Increased cosmic radiation at high altitude.)
[～200μSv/round trip]

100

[50μSv/each time]
Chest X-ray examination.

[22μSv/year]   Evaluated dose of radiation from radioactive substance emitted from the nuclear fuel reprocessing plant per year.

[50μSv/year]
Standard dose of radiation around a nuclear plant (light water reactor).
(Actual result is far below the value.)

[10μSv/year]   Standard radiation dose from Clearance level.

10

※ Sv【Sievert】＝Constant of organism effect by kind of radiation（※）× Gy【gray】

※ It is 1 in case of X ray and γ ray.

MEXT makes this, based on "Nuclear power 2002" made by Agency of Natural Resources and Energy.