## Readings at Monitoring Post out of 20 Km Zone of Fukushima Dai-ichi NPP

As of 19:00 March 23, 2011 Ministry of Education, Culture, Sports, Science and Technology (MEXT)

## 1. Monitoring Outputs by MEXT \*Boldface and underlined readings are new.

- \* 1 measured by Geiger-Müller counter
- \*2 measured by ionization chamber type survey meter

\* 3 measured by NaI scintillator detector

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Monitoring Post (length from NPP)	Monitoring Time	Reading (unit : $\mu$ Sv $/$ h )	Weather	Reading by
Reading Point 【1】 (About60KmNorthWest)	2011/3/23 9:40	4.0 *2	Rain	MEXT
Reading Point 【2】 (About55KmNorthWest)	2011/3/23 13:50	7.0 * <sup>2</sup>	No Rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【2】 (About55KmNorthWest)	2011/3/23 10:09	6.5 *²	No Rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【3】 (About45KmNorthWest)	2011/3/23 13:25	5.5 * <sup>2</sup>	No Rain	MEXT
Reading Point 【3】 (About45KmNorthWest)	2011/3/23 10:36	5.5 * <sup>2</sup>	No Rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【4】 (About50KmNorthWest)	2011/3/23 10:26	2.8 *2	No Rain	MEXT
Reading Point 【5】(About45KmNorth)	2011/3/23 11:28	1.0 *2	No Rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【6】(About45KmNorth)	2011/3/23 11:53	2.0 *2	No Rain	MEXT
Reading Point 【7】(About45KmNorth)	2011/3/23 12:06	1.3 *2	No Rain	MEXT
Reading Point 【10】 (About40KmNorthWest)	2011/3/23 10:50	2.6 *2	No Rain	MEXT
Reading Point 【11】 (About40KmNorthWest)	2011/3/23 11:04	2.8 *2	No Rain	MEXT
Reading Point 【12】(About40KmWest)	2011/3/23 11:42	0.8 *2	No Rain	MEXT
Reading Point 【13】 (About40KmWest)	2011/3/23 12:16	1.0 *2	No Rain	MEXT

\* 1 measured by Geiger-Müller counter \* 2 measured by ionization chamber type survey meter

\* 3 measured by NaI scintillator detector

Monitoring Post (length from NPP)	Monitoring Time	Reading (unit: μSv/h)	Weather	Reading by
Reading Point 【14】 (About35KmWest)	2011/3/23 12:20	0.9 *2	No Rain	MEXT
Reading Point 【15】 (About35KmWest)	2011/3/23 12:35	2.3 *2	Rain	MEXT
Reading Point [20] (About45KmNorthWest)	2011/3/23 15:11	<u>1.4 *²</u>	<u>Rain</u>	<u>MEXT</u>
Reading Point 【21】 (About30KmWestNorthWest)	2011/3/23 13:51	9.4 *2	Rain	MEXT
Reading Point 【22】 (About30KmWestNorthWest)	2011/3/23 14:44	1.0 *2	No Rain	MEXT
Reading Point [23] (About30KmWestNorthWest)	2011/3/23 14:57	<u>1.7 *²</u>	<u>No Rain</u>	<u>MEXT</u>
Reading Point 【31】 (About30KmWestNorthWest)	2011/3/23 11:43	24.0 *²	No Rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【31】 (About30KmWestNorthWest)	2011/3/23 10:08	74.0 * <sup>2</sup>	Rain	Police ( counter NBC operations unit )
Reading Point 【32】 (About26KmNorthWest)	2011/3/23 12:14	75.0 *²	No Rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【33】 (About30KmNorthWest)	2011/3/23 12:32	35.0 *²	No Rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【33】 (About30KmNorthWest)	2011/3/23 9:30	103.0 *²	No Rain	Police ( counter NBC operations unit )
Reading Point 【34】 (About30KmNorthWest)	2011/3/23 13:08	15.0 *²	No Rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【35】 (About35KmNorthWest)	2011/3/23 13:38	1.5 * <sup>2</sup>	No Rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【36】 (About40KmNorthWest)	2011/3/23 14:37	9.0 *2	Rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【36】 (About40KmNorthWest)	2011/3/23 10:45	8.5 * <sup>2</sup>	No Rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【41】 (About20KmWest)	2011/3/23 10:52	1.4 *2	Rain	Kansai Electric Power Co., Inc.
Reading Point 【42】 (About30KmWest)	2011/3/23 10:15	2.8 *2	Rain	Kansai Electric Power Co., Inc.

\* 1 measured by Geiger-Müller counter

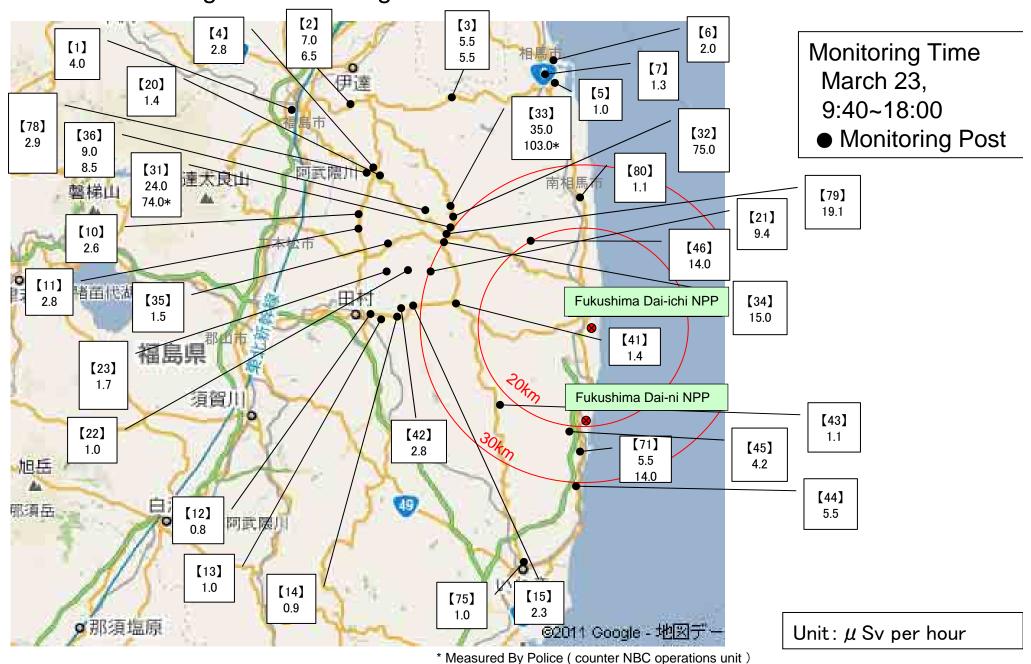
\*2 measured by ionization chamber type survey meter

\* 3 measured by NaI scintillator detector

Monitoring Post (length from NPP)	Monitoring Time	Reading (unit : $\mu$ Sv $/$ h )	Weather	Reading by
Reading Point 【43】 (About20KmSouthWest)	2011/3/23 10:50	1.1 * <sup>2</sup>	No Rain	JNFL(Japan Nuclear Fuel Ltd.)
Reading Point 【44】 (About30KmSouth)	2011/3/23 10:13	5.5 * <sup>2</sup>	No Rain	Shikoku Electric Power Co., Inc.
Reading Point 【45】 (About20KmSouth)	2011/3/23 10:00	4.2 * <sup>2</sup>	No Rain	Kyushu Electric Power Co., Inc.
Reading Point 【46】 (About20KmNorthWest)	2011/3/23 11:10	14.0 *²	Rain	CHUBU Electric Power Co., Inc.
Reading Point 【71】(About25KmSouth)	2011/3/23 10:29	5.5 * <sup>2</sup>	No Rain	Police ( counter NBC operations unit )
Reading Point 【71】(About25KmSouth)	2011/3/23 10:20	14.0 *²	No Rain	Police ( counter NBC operations unit )
Reading Point 【75】 (About45KmSouth)	2011/3/23 7:50	1.0 *2	No Rain	Police ( counter NBC operations unit )
Reading Point 【78】 (About45KmNorthWest)	2011/3/23 8:18	2.9 *2	No Rain	Police ( counter NBC operations unit )
Reading Point 【79】 (About30KmNorthWest)	2011/3/23 9:14	19.1 *²	No Rain	Police ( counter NBC operations unit )
Reading Point 【80】 (About25KmNorth)	2011/3/23 12:36	1.1 *2	No Rain	Police ( counter NBC operations unit )

2. Under construction, Reading by Ministry of Defense

## Readings at Monitoring Post out of Fukushima Dai-ichi NPP



## Radiation in Daily-life Radiation dose

1,000

100

10

Global average

Kanagawa

Natural radiation

dose per year.

Evaluated dose of radiation from radioactive

Standard radiation dose from

substance emitted from the nuclear fuel reprocessing plant per year.

Clearance level

[ $\sim 10.000 \,\mu \, \text{Sv/year}$ ]

 $\lceil \sim 2.400 \, \mu \, \text{Sy/year} \rceil$ 

Radiation dose in Guarapari(Brazil) per year.

ingestion 0.29

Radon absorbed

Maximum difference of the average of

natural radiation dose in each prefecture.

in air 1.26

Earth 0.48

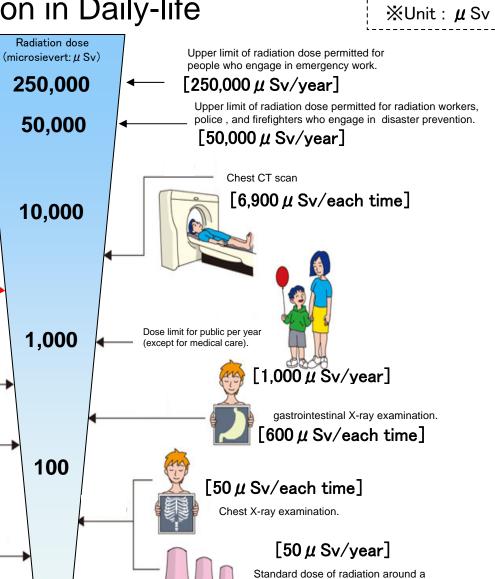
[ $\sim$ 400  $\mu$  Sv/year]

[ $\sim$ 200  $\mu$  Sv/round trip]

[22 \( \mu \) Sv/year]

[10 \( \mathbb{U}\) Sv/year]

An air travel between Tokyo and New York (RT) (Increased cosmic radiation at high altitude.)



nuclear plant (light water reactor).

(Actual result is far below the value.)