Ν	ews	Re	lease

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

As of 10:00 March 26, 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

Monitoring Post (length from NPP)	Monitoring Time	Reading (unit : μSv / h)	Weather	Reading by
Reading Point [2] (about 55Km Northwest)	2011/3/25 17:33	6.9 *2	Rain	JAEA (Japan Atomic Energy Agency)
Reading Point [2] (about 55Km Northwest)	2011/3/25 10:01	5.4 * <sup>2</sup>	No rain	JAEA (Japan Atomic Energy Agency)
Reading Point [3] (about 45Km Northwest)	2011/3/25 17:06	7.5 * <sup>2</sup>	Rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【3】 (about 45Km Northwest)	2011/3/25 10:38	7.0 *2	No rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【4】 (about 50Km Northwest)	2011/3/25 9:33	2.3 *2	No rain	MEXT
Reading Point 【5】 (about 45Km North)	2011/3/25 11:18	2.7 *2	No rain	MEXT
Reading Point 【6】 (about 45Km North)	2011/3/25 12:16	3.7 *2	No rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【7】 (about 45Km North)	2011/3/25 12:29	3.2 *2	No rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【10】 (about 40Km Northwest)	2011/3/25 9:55	2.0 *2	No rain	MEXT
Reading Point [11] (about 40Km Northwest)	2011/3/25 10:06	2.8 *2	No rain	MEXT
Reading Point 【12】 (about 40Km West)	2011/3/25 11:29	0.5 *2	No rain	MEXT
Reading Point 【13】 (about 40Km West)	2011/3/25 11:46	0.8 *2	No rain	MEXT
Reading Point [14] (about 35Km West)	2011/3/25 11:56	0.9 *2	No rain	MEXT
Reading Point 【15】 (about 35Km West)	2011/3/25 12:08	2.1 *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 : $\mu$ Sv $/$ h )	Weather	Reading by
Reading Point 【20】 (about 45Km Northwest)	2011/3/25 10:31	1.4 *2	No rain	MEXT
Reading Point [21] (about 30Km WestNorthwest)	2011/3/25 10:57	7.4 *2	No rain	MEXT
Reading Point [22] (about 30Km WestNorthwest)	2011/3/25 10:50	1.0 *2	No rain	MEXT
Reading Point [23] (about 30Km WestNorthwest)	2011/3/25 10:40	1.8 *2	No rain	MEXT
Reading Point [31] (about 30Km WestNorthwest)	2011/3/25 14:14	30.5 *2	Rain	MEXT
Reading Point [31] (about 30Km WestNorthwest)	2011/3/25 11:41	22.0 *2	No rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【32】 (about 30Km Northwest)	2011/3/25 15:02	63.5 * <sup>2</sup>	Rain	MEXT
Reading Point 【32】 (about 30Km Northwest)	2011/3/25 12:00	65.0 * <sup>2</sup>	No rain	JAEA (Japan Atomic Energy Agency)
Reading Point [33] (about 30Km Northwest)	2011/3/25 15:28	25.0 * <sup>2</sup>	Rain	JAEA (Japan Atomic Energy Agency)
Reading Point [33] (about 30Km Northwest)	2011/3/25 14:43	27.0 *2	Rain	MEXT
Reading Point 【33】 (about 30Km Northwest)	2011/3/25 14:28	24.0 *2	Rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【33】 (about 30Km Northwest)	2011/3/25 13:28	27.0 * <sup>2</sup>	Rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【33】 (about 30Km Northwest)	2011/3/25 12:28	27.0 * <sup>2</sup>	No rain	JAEA (Japan Atomic Energy Agency)
Reading Point [34] (about 30Km Northwest)	2011/3/25 13:15	10.6 *2	Rain	MEXT
Reading Point 【35】 (about 35Km Northwest)	2011/3/25 13:54	2.0 *2	Rain	MEXT
Reading Point 【36】 (about 40Km Northwest)	2011/3/25 11:00	7.0 * <sup>2</sup>	No rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【41】 (about 20Km West)	2011/3/25 13:35	1.8 * <sup>2</sup>	Rain	Kansai Electric Power Co., Inc.
Reading Point 【41】 (about 20Km West)	2011/3/25 10:28	1.6 * <sup>2</sup>	No 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 : μSv / h)	Weather	Reading by
Reading Point 【42】 (about 30Km West)	2011/3/25 13:42	1.9 *2	Rain	ansai Electric Power Co., Inc.•Chugoku Electric Power Co., Ir
Reading Point 【42】 (about 30Km West)	2011/3/25 10:01	1.9 *2	No rain	ansai Electric Power Co., Inc.•Chugoku Electric Power Co., Ir
Reading Point 【42】 (about 30Km West)	2011/3/24 14:00	2.1 *2	No rain	ansai Electric Power Co., Inc.•Chugoku Electric Power Co., Ir
Reading Point 【42】 (about 30Km West)	2011/3/24 10:35	2.1 *2	No rain	ansai Electric Power Co., Inc.•Chugoku Electric Power Co., Ir
Reading Point 【42】 (about 30Km West)	2011/3/23 13:15	2.8 *2	Rain	ansai Electric Power Co., Inc.• Chugoku Electric Power Co., Ir
Reading Point 【42】 (about 30Km West)	2011/3/23 10:15	2.8 *2	Rain	ansai Electric Power Co., Inc.•Chugoku Electric Power Co., Ir
Reading Point 【43】 (about 20Km SouthWest)	2011/3/25 14:50	0.9 *2	No rain	JNFL(Japan Nuclear Fuel Ltd.)
Reading Point 【43】 (about 20Km SouthWest)	2011/3/25 10:50	0.9 *2	No rain	JNFL(Japan Nuclear Fuel Ltd.)
Reading Point 【44】 (about 30Km South)	2011/3/25 13:33	4.0 *2	No rain	Shikoku Electric Power Co., Inc.
Reading Point 【44】 (about 30Km South)	2011/3/25 10:24	4.4 *2	No rain	Shikoku Electric Power Co., Inc.
Reading Point 【45】 (about 20Km South)	2011/3/25 13:15	2.9 *2	No rain	Kyusyu Electric Power Co., Inc.
Reading Point 【45】 (about 20Km South)	2011/3/25 10:15	3.5 *2	No rain	Kyusyu Electric Power Co., Inc.
Reading Point 【46】 (about 20Km Northwest)	2011/3/25 14:30	12.0 *2	Rain	CHUBU Electric Power Co., Inc.
Reading Point 【46】 (about 20Km Northwest)	2011/3/25 11:25	12.0 *2	No rain	CHUBU Electric Power Co., Inc.
Reading Point [51] (about 40Km SouthWest)	2011/3/25 15:22	<u>0.3</u> *3	No rain	<u>Fukushima Pref</u>
Reading Point [51] (about 40Km SouthWest)	2011/3/25 11:23	<u>0.4</u> *3	No rain	<u>Fukushima Pref</u>
Reading Point [52] (about 40Km West)	2011/3/25 15:57	<u>0.5</u> *3	<u>Rain</u>	<u>Fukushima Pref</u>
Reading Point [52] (about 40Km West)	2011/3/25 13:22	<u>0.3</u> *3	<u>Rain</u>	<u>Fukushima Pref</u>

\* 1 measured by Geiger-Müller counter \* 2 measured by ionization chamber type survey meter \* 3 measured by NaI scintillator detector

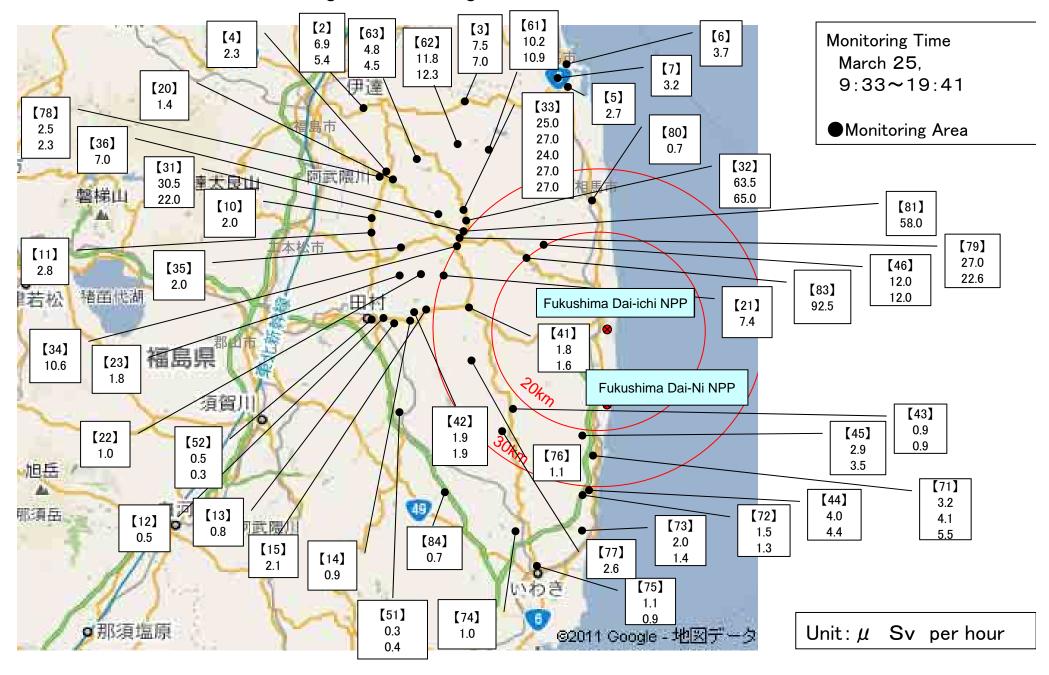
Monitoring Post (length from NPP)	Monitoring Time	Reading (unit : $\mu$ Sv $/$ h )	Weather	Reading by
Reading Point [61] (about 40Km Northwest)	2011/3/25 18:16	<u>10.2 *3</u>	<u>Rain</u>	<u>Fukushima Pref</u>
Reading Point [61] (about 40Km Northwest)	2011/3/25 13:33	<u>10.9</u> *3	<u>Rain</u>	Fukushima Pref
Reading Point [62] (about 40Km Northwest)	2011/3/25 18:29	<u>11.8 *³</u>	<u>Rain</u>	<u>Fukushima Pref</u>
Reading Point [62] (about 40Km Northwest)	2011/3/25 13:24	<u>12.3 *³</u>	<u>Rain</u>	<u>Fukushima Pref</u>
Reading Point [63] (about 45Km Northwest)	2011/3/25 18:44	<u>4.8 *³</u>	<u>Rain</u>	Fukushima Pref
Reading Point [63] (about 45Km Northwest)	2011/3/25 12:00	<u>4.5 *³</u>	<u>No rain</u>	Fukushima Pref
Reading Point [71] (about 25Km South)	2011/3/25 18:07	<u>3.2 *²</u>	<u>No rain</u>	Police ( counter NBC operations unit )
Reading Point 【71】 (about 25Km South)	2011/3/25 15:00	4.1 *2	No rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【71】 (about 25Km South)	2011/3/25 9:03	5.5 * <sup>2</sup>	No rain	Police ( counter NBC operations unit )
Reading Point [72] (about 30Km South)	2011/3/25 18:40	<u>1.5 *²</u>	<u>Rain</u>	Police ( counter NBC operations unit )
Reading Point 【72】 (about 30Km South)	2011/3/25 9:32	1.3 *2	No rain	Police ( counter NBC operations unit )
Reading Point [73] (about 35Km South)	2011/3/25 19:00	<u>2.0</u> *2	<u>Rain</u>	Police ( counter NBC operations unit )
Reading Point 【73】 (about 35Km South)	2011/3/25 9:52	1.4 *2	No rain	Police ( counter NBC operations unit )
Reading Point 【74】 (about 35Km South)	2011/3/25 10:31	1.0 *2	No rain	Police ( counter NBC operations unit )
Reading Point [75] (about 45Km South)	2011/3/25 19:41	<u>1.1 *²</u>	<u>Rain</u>	Police ( counter NBC operations unit )
Reading Point 【75】 (about 45Km South)	2011/3/25 7:30	0.9 *2	No rain	Police ( counter NBC operations unit )
Reading Point [76] (about 25Km SouthWest)	2011/3/25 16:00	<u>1.1 *²</u>	No rain	Police ( counter NBC operations unit )
Reading Point [77] (about 25Km SouthWest)	2011/3/25 16:20	<u>2.6 *²</u>	<u>No rain</u>	Police ( counter NBC operations unit )
Reading Point 【78】 (about 45Km Northwest)	2011/3/25 12:08	2.5 *2	No rain	Police ( counter NBC operations unit )
Reading Point 【78】 (about 45Km Northwest)	2011/3/25 7:56	2.3 *2	No rain	Police ( counter NBC operations unit )

- \* 1 measured by Geiger-Müller counter
- \* 2 measured by ionization chamber type survey meter \* 3 measured by NaI scintillator detector

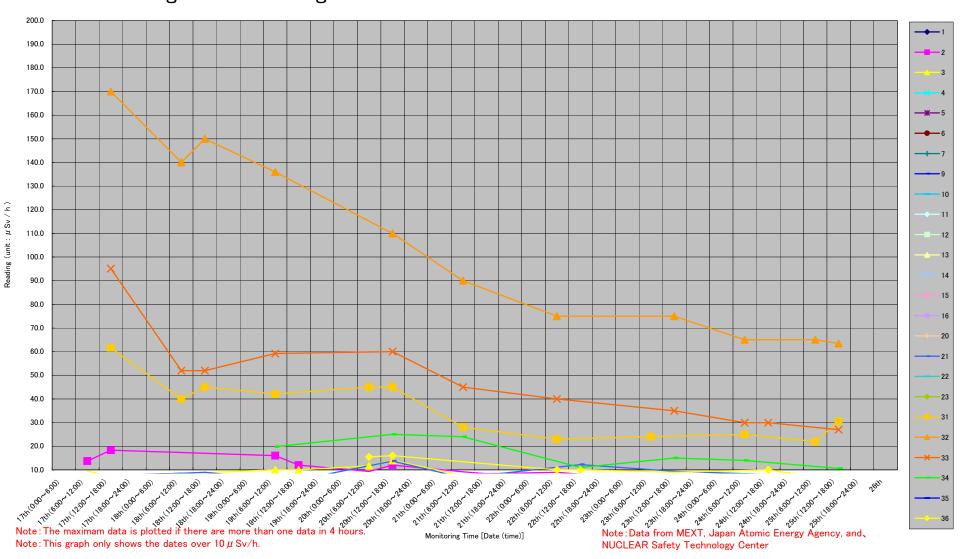
Monitoring Post (length from NPP)	Monitoring Time	Reading (unit : $\mu$ Sv $/$ h )	Weather	Reading by
Reading Point 【79】 (about 30Km Northwest)	2011/3/25 13:24	27.0 *²	Rain	MEXT
Reading Point 【79】 (about 30Km Northwest)	2011/3/25 8:48	22.6 *2	No rain	Police ( counter NBC operations unit )
Reading Point 【80】 (about 25Km North)	2011/3/25 10:54	0.7 *2	No rain	Police ( counter NBC operations unit )
Reading Point [81] (about 30Km WestNorthwest)	2011/3/25 8:35	58.0 *²	No rain	Police ( counter NBC operations unit )
Reading Point 【83】 (about 20Km Northwest)	2011/3/25 9:00	92.5 *2	No rain	Police ( counter NBC operations unit )
Reading Point [84] (about 40Km SouthWest)	2011/3/28 10:40	0.7 *2	No rain	JAEA(Japan Atomic Energy Agency)

2. Under construction, Reading by Ministry of Defense

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



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



#### Radiation in Daily-life XUnit : $\mu$ Sv Radiation dose Upper limit of radiation dose permitted for (microsievert: u Sv) people who engage in emergency work. 250,000 $[250.000 \,\mu\,\text{Sy/year}]$ Upper limit of radiation dose permitted for radiation workers. police, and firefighters who engage in disaster prevention. 50,000 $[50,000 \,\mu\,\text{Sv/year}]$ Chest CT scan [6,900 $\mu$ Sv/each time] 10,000 Guarapari(Brazil) per year. Global average **Natural radiation** Dose limit for public per vear 1,000 (except for medical care). dose per year. [1,000 $\mu$ Sv/year] Maximum difference of the average of

[ $\sim$ 400  $\mu$  Sv/year] An air travel between Tokyo and New York (RT)

(Increased cosmic radiation at high altitude.)

natural radiation dose in each prefecture.

Radiation dose in

inaestion 0.29

Radon absorbed

in air 1.26

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

Earth 0.48

[22  $\mu$  Sv/year]

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

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

[10 \( \mathbb{U}\) Sv/year] Standard radiation dose from Clearance level

Evaluated dose of radiation from radioactive substance emitted from the nuclear fuel reprocessing plant per year.

100

10

[50  $\mu$  Sv/each time]

Chest X-ray examination.

[50 \( \mathcal{U} \) Sv/year]

gastrointestinal X-ray examination.

[600  $\mu$  Sv/each time]

Standard dose of radiation around a nuclear plant (light water reactor).

(Actual result is far below the value.)