

MEXT

MINISTRY OF EDUCATION,
CULTURE, SPORTS,
SCIENCE AND TECHNOLOGY-JAPAN

Monitoring of environmental radioactivity

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March 27, 2011

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

As of 10:00 March 27, 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 : μ Sv / h)	Weather	Reading by
Reading Point [1] (about 60Km Northwest)	2011/3/26 15:10	<u>2.5</u> *2	No rain	JAEA (Japan Atomic Energy Agency)
Reading Point [1] (about 60Km Northwest)	2011/3/26 9:14	2.5 *2	Rain	JAEA (Japan Atomic Energy Agency)
Reading Point [2] (about 55Km Northwest)	2011/3/26 14:35	5.0 *2	No rain	JAEA (Japan Atomic Energy Agency)
Reading Point [2] (about 55Km Northwest)	2011/3/26 9:46	4.5 *2	No rain	JAEA (Japan Atomic Energy Agency)
Reading Point [3] (about 45Km Northwest)	2011/3/26 14:02	4.0 *2	No rain	JAEA (Japan Atomic Energy Agency)
Reading Point [3] (about 45Km Northwest)	2011/3/26 10:13	4.0 *2	Rain	JAEA (Japan Atomic Energy Agency)
Reading Point [4] (about 50Km Northwest)	2011/3/26 9:40	1.6 *2	No rain	JAEA (Japan Atomic Energy Agency)
Reading Point [5] (about 45Km North)	2011/3/26 10:45	1.0 *2	No rain	JAEA (Japan Atomic Energy Agency)
Reading Point [6] (about 45Km North)	2011/3/26 11:10	1.5 *2	No rain	JAEA (Japan Atomic Energy Agency)
Reading Point [7] (about 45Km North)	2011/3/26 11:31	1.5 *2	No rain	JAEA (Japan Atomic Energy Agency)
Reading Point [10] (<u>about 40Km Northwest</u>)	2011/3/26 18:10	<u>1.8</u> *2	No rain	JAEA (Japan Atomic Energy Agency)
Reading Point [11] (about 40Km Northwest)	2011/3/26 14:20	2.3 *2	No rain	JAEA (Japan Atomic Energy Agency)
Reading Point [12] (about 40Km West)	2011/3/26 16:30	0.3 *2	No rain	JAEA (Japan Atomic Energy Agency)
Reading Point [13] (about 40Km West)	2011/3/26 17:30	0.8 *2	Rain	JAEA (Japan Atomic Energy Agency)

- * 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 : $\mu\text{Sv} / \text{h}$)	Weather	Reading by
Reading Point 【14】 (about 35Km West)	2011/3/26 15:13	0.7 *2	No rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【15】 (about 35Km West)	2011/3/26 16:50	1.8 *2	No rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【20】 (about 45Km Northwest)	2011/3/26 15:10	1.1 *2	No rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【21】 (about 30Km West-northwest)	2011/3/26 15:33	6.5 *2	No rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【22】 (about 30Km West-northwest)	2011/3/26 15:24	1.1 *2	No rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【23】 (about 30Km West-northwest)	2011/3/26 15:18	1.6 *2	No rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【31】 (about 30Km West-northwest)	2011/3/26 10:49	20.0 *2	No rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【31】 (about 30Km West-northwest)	2011/3/26 10:15	17.8 *2	Rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【32】 (about 30Km Northwest)	2011/3/26 11:01	45.0 *2	No rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【32】 (about 30Km Northwest)	2011/3/26 10:40	46.0 *2	Rain	MEXT
Reading Point 【33】 (about 30Km Northwest)	2011/3/26 11:12	21.0 *2	Rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【33】 (about 30Km Northwest)	2011/3/26 10:55	26.0 *2	No rain	MEXT
Reading Point 【34】 (about 30Km Northwest)	2011/3/26 11:50	8.4 *2	No rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【36】 (about 40Km Northwest)	2011/3/26 19:30	7.8 *2	Rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【36】 (about 40Km Northwest)	2011/3/26 10:25	6.0 *2	No rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【41】 (about 20Km West)	2011/3/26 13:30	1.5 *2	No rain	Electric power company
Reading Point 【41】 (about 20Km West)	2011/3/26 10:18	1.4 *2	Rain	Electric power company
Reading Point 【42】 (about 30Km West)	2011/3/26 13:25	1.6 *2	No rain	Electric power company
Reading Point 【42】 (about 30Km West)	2011/3/26 9:58	1.5 *2	Rain	Electric power company

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

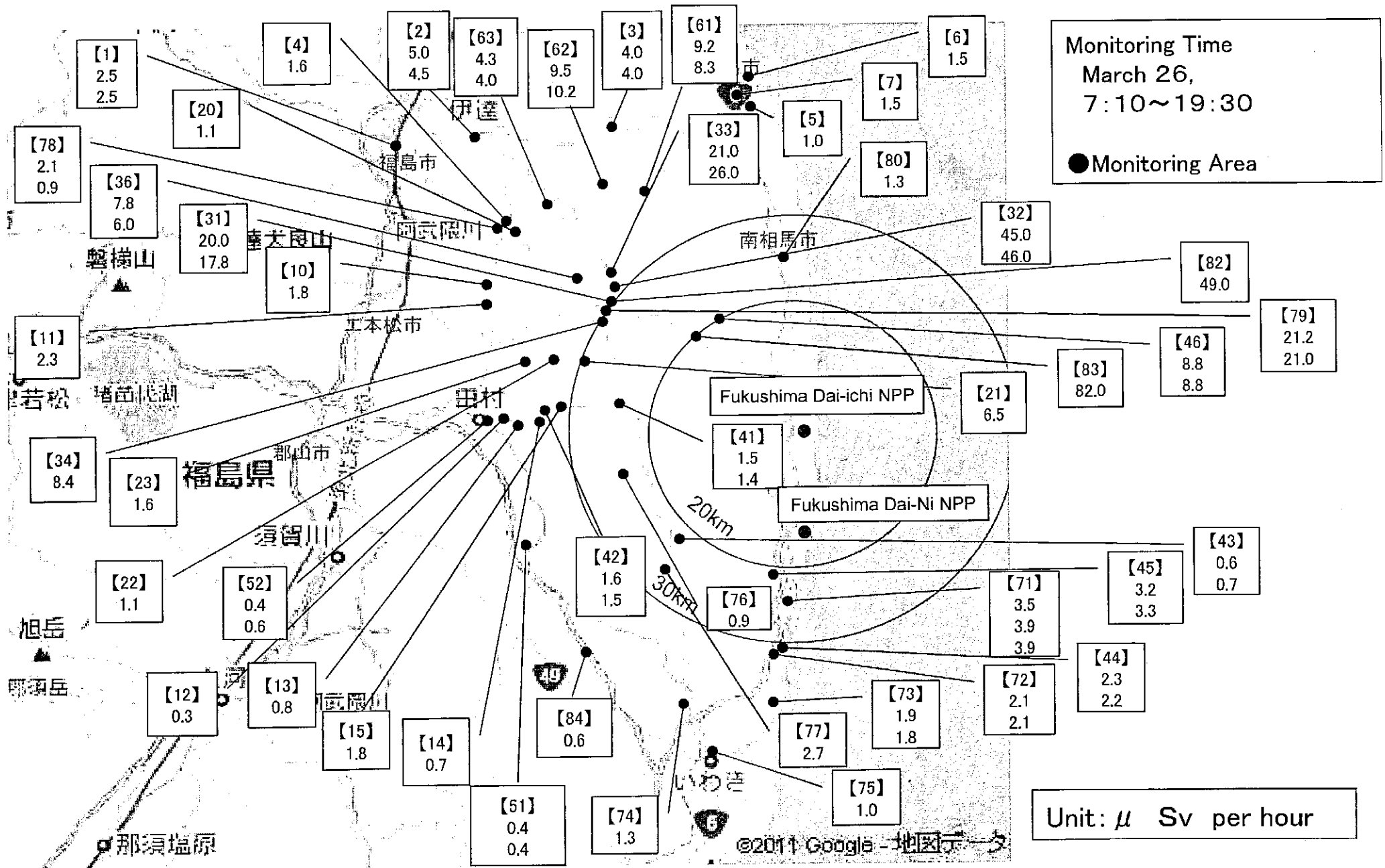
Monitoring Post (length from NPP)	Monitoring Time	Reading (unit : $\mu\text{Sv} / \text{h}$)	Weather	Reading by
Reading Point [43] (about 20Km Southwest)	2011/3/26 15:15	0.6 * ²	No rain	Electric power company
Reading Point [43] (about 20Km Southwest)	2011/3/26 11:10	0.7 * ²	Rain	Electric power company
Reading Point [44] (about 30Km South)	2011/3/26 13:50	2.3 * ²	No rain	Electric power company
Reading Point [44] (about 30Km South)	2011/3/26 10:50	2.2 * ²	No rain	Electric power company
Reading Point [45] (about 20Km South)	2011/3/26 13:20	3.2 * ²	No rain	Electric power company
Reading Point [45] (about 20Km South)	2011/3/26 9:45	3.3 * ²	No rain	Electric power company
Reading Point [46] (about 20Km Northwest)	2011/3/26 14:30	8.8 * ²	No rain	Electric power company
Reading Point [46] (about 20Km Northwest)	2011/3/26 11:15	8.8 * ²	Rain	Electric power company
Reading Point [51] (about 40Km Southwest)	2011/3/26 15:09	0.4 * ³	No rain	Fukushima Pref
Reading Point [51] (about 40Km Southwest)	2011/3/26 11:44	0.4 * ³	No rain	Fukushima Pref
Reading Point [52] (about 40Km West)	2011/3/26 15:45	0.4 * ³	No rain	Fukushima Pref
Reading Point [52] (about 40Km West)	2011/3/26 11:43	0.6 * ³	No rain	Fukushima Pref
Reading Point [61] (about 40Km Northwest)	2011/3/26 14:52	9.2 * ³	No rain	Fukushima Pref
Reading Point [61] (about 40Km Northwest)	2011/3/26 13:00	8.3 * ³	Rain	Fukushima Pref
Reading Point [62] (about 40Km Northwest)	2011/3/26 15:00	9.5 * ³	No rain	Fukushima Pref
Reading Point [62] (about 40Km Northwest)	2011/3/26 12:51	10.2 * ³	Rain	Fukushima Pref
Reading Point [63] (about 45Km Northwest)	2011/3/26 15:29	4.3 * ³	No rain	Fukushima Pref
Reading Point [63] (about 45Km Northwest)	2011/3/26 11:41	4.0 * ³	Rain	Fukushima Pref
Reading Point [71] (about 25Km South)	2011/3/26 16:34	3.5 * ²	No rain	Police (counter NBC operations unit)
Reading Point [71] (about 25Km South)	2011/3/26 12:49	3.9 * ²	No rain	JAEA (Japan Atomic Energy Agency)
Reading Point [71] (about 25Km South)	2011/3/26 9:01	3.9 * 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

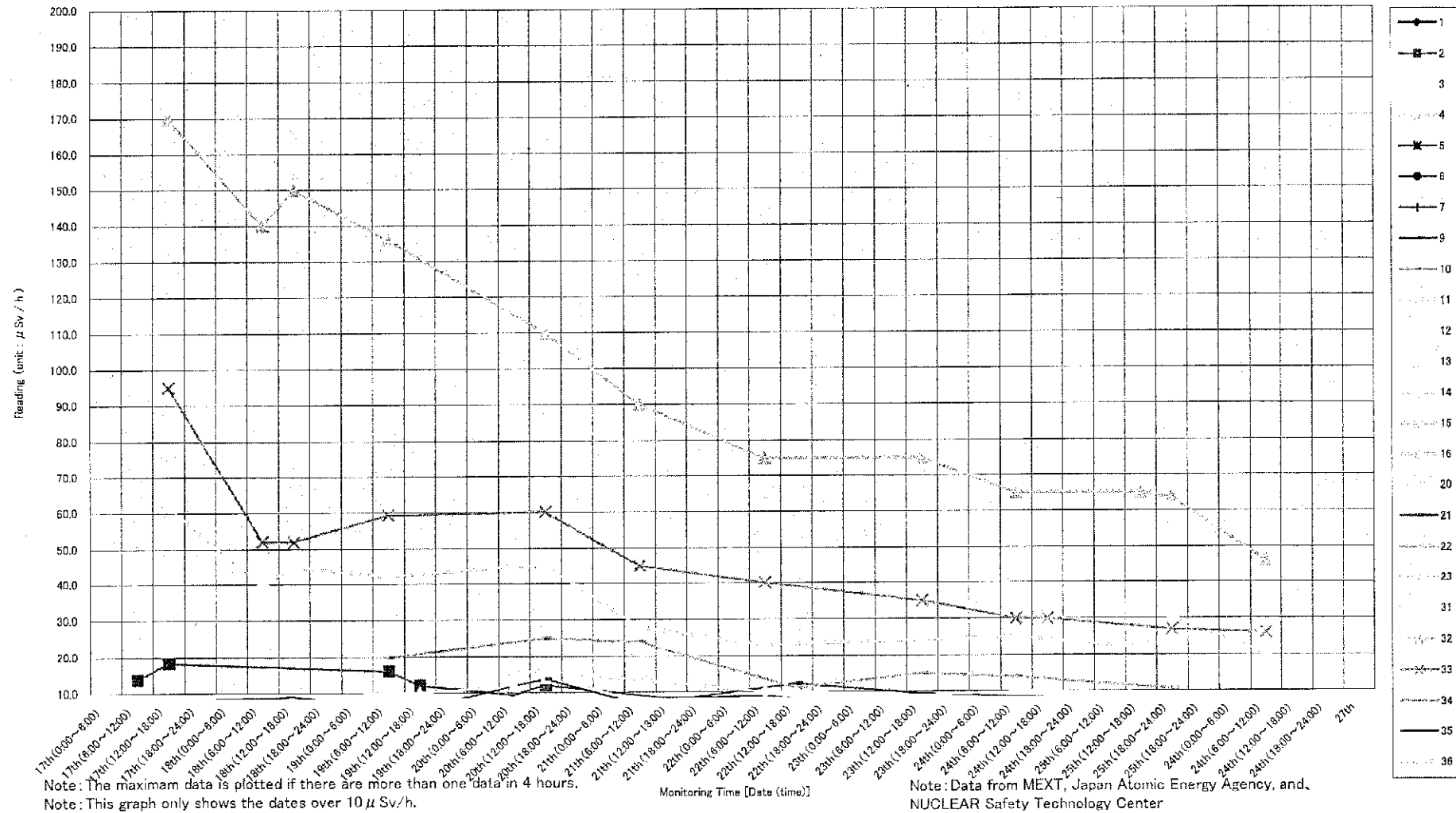
Monitoring Post (length from NPP)	Monitoring Time	Reading (unit : $\mu\text{Sv} / \text{h}$)	Weather	Reading by
Reading Point 【72】 (about 30Km South)	2011/3/26 17:00	2.1 *2	No rain	Police (counter NBC operations unit)
Reading Point 【72】 (about 30Km South)	2011/3/26 9:29	2.1 *2	No rain	Police (counter NBC operations unit)
Reading Point 【73】 (about 35Km South)	2011/3/26 17:19	1.9 *2	No rain	Police (counter NBC operations unit)
Reading Point 【73】 (about 35Km South)	2011/3/26 9:46	1.8 *2	No rain	Police (counter NBC operations unit)
Reading Point 【74】 (about 35Km South)	2011/3/26 10:22	1.3 *2	Rain	Police (counter NBC operations unit)
Reading Point 【75】 (about 45Km South)	2011/3/26 7:38	1.0 *2	No rain	Police (counter NBC operations unit)
Reading Point 【76】 (about 25Km Southwest)	2011/3/26 12:49	0.9 *2	Rain	Police (counter NBC operations unit)
Reading Point 【77】 (about 25Km Southwest)	2011/3/26 13:11	2.7 *2	No rain	Police (counter NBC operations unit)
Reading Point 【78】 (about 45Km Northwest)	2011/3/26 13:35	2.1 *2	No rain	Police (counter NBC operations unit)
Reading Point 【78】 (about 45Km Northwest)	2011/3/26 7:10	0.9 *2	No rain	Police (counter NBC operations unit)
Reading Point 【79】 (about 30Km Northwest)	2011/3/26 13:10	21.2 *2	No rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【79】 (about 30Km Northwest)	2011/3/26 8:39	21.0 *2	No rain	Police (counter NBC operations unit)
Reading Point 【80】 (about 25Km North)	2011/3/26 10:55	1.3 *2	No rain	Police (counter NBC operations unit)
Reading Point 【82】 (about 30Km Northwest)	2011/3/26 8:15	49.0 *2	No rain	Police (counter NBC operations unit)
Reading Point 【83】 (about 20Km Northwest)	2011/3/26 9:01	82.0 *2	No rain	Police (counter NBC operations unit)
Reading Point 【84】 (about 40km Southwest)	2011/3/26 10:44	0.6 *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



Readings at Monitoring Post out of 20 km Zone of Fukushima Dai-ichi NPP By Vehicle-Borne

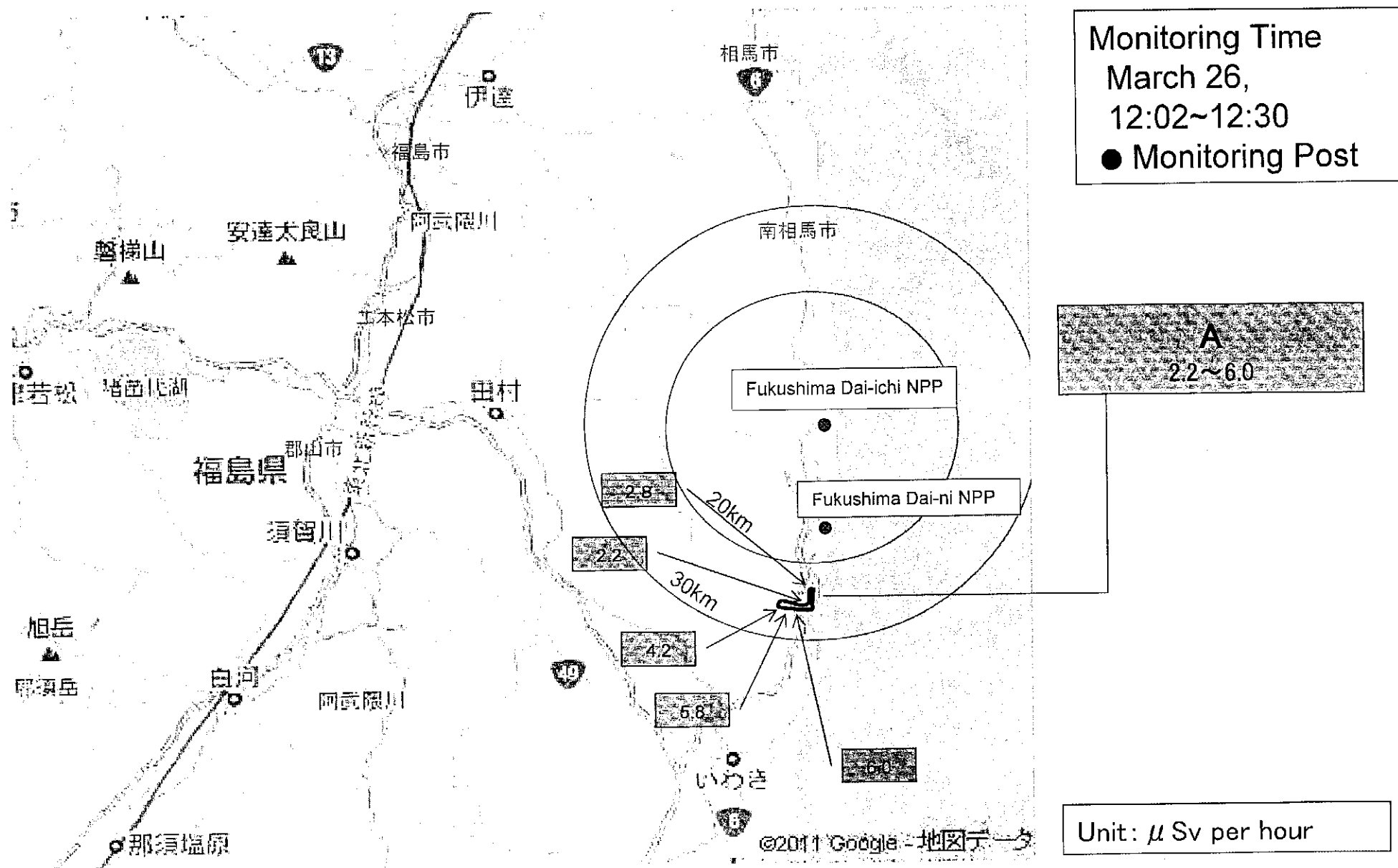
As of 10:00 March 27, 2011

Ministry of Education, Culture, Sports, Science
and Technology (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 : $\mu\text{Sv} / \text{h}$)	Weather	Reading by
Monitoring Area [A] (about 24km South)	2011/3/26 12:02	2.8 * ²	No rain	MEXT
Monitoring Area [A] (about 22km South)	2011/3/26 12:12	2.2 * ²	No rain	MEXT
Monitoring Area [A] (about 24km South)	2011/3/26 12:18	6.0 * ²	No rain	MEXT
Monitoring Area [A] (about 24km South)	2011/3/26 12:22	5.8 * ²	No rain	MEXT
Monitoring Area [A] (about 24km South)	2011/3/26 12:30	4.2 * ²	No rain	MEXT

Readings at Monitoring Post out of Fukushima Dai-ichi NPP By Vehicle-Borne Survey



Readings of Sea Area Monitoring at Post Out of Fukushima Dai-ichi NPP

March 26, 2011
Ministry of Education, Culture, Sports, Science
and Technology (MEXT)

1. Radioactivity Concentration Undersea

Sampling Point	Sampling Time and Date	Nuclide	Radioactivity Concentration (Bq/L)
Sampling Point1 at Sea Area 1※1	2011/3/25 7:55	^{131}I	3.5
		^{137}Cs	Not Detectable
Sampling Point2 at Sea Area 1	2011/3/25 8:42	^{131}I	3.3
		^{137}Cs	0.70
Sampling Point3 at Sea Area 1	2011/3/25 9:14	^{131}I	29.0
		^{137}Cs	8.0
Sampling Point4 at Sea Area 1	2011/3/25 10:00	^{131}I	30.0
		^{137}Cs	5.9
Sampling Point1 at Sea Area 2※2	2011/3/25 10:52	^{131}I	25.0
		^{137}Cs	3.1
Sampling Point2 at Sea Area 2	2011/3/25 11:17	^{131}I	18.0
		^{137}Cs	2.6
Sampling Point3 at Sea Area 2	2011/3/25 11:58	^{131}I	13.0
		^{137}Cs	1.7
Sampling Point4 at Sea Area 2	2011/3/25 12:32	^{131}I	12.0
		^{137}Cs	2.7

※1 Sea Area 1: offshore of Fukushima Dai-ichi NPP

※2 Sea Area 2: offshore of Fukushima Dai-ni NPP

2. Reading of Over the Sea

Sampling Point	Sampling Time and Date	Reading ($\mu\text{Sv/h}$)	Weather
Sampling Point1 at Sea Area 1	2011/3/25 7:55	0.049	No rain
Sampling Point2 at Sea Area 1	2011/3/25 8:42	0.052	No rain
Sampling Point3 at Sea Area 1	2011/3/25 9:14	0.096	No rain
Sampling Point4 at Sea Area 1	2011/3/25 10:00	0.089	No rain
Sampling Point1 at Sea Area 2	2011/3/25 10:52	0.062	No rain
Sampling Point2 at Sea Area 2	2011/3/25 11:17	0.039	No rain
Sampling Point3 at Sea Area 2	2011/3/25 11:58	0.065	No rain
Sampling Point4 at Sea Area 2	2011/3/25 12:32	0.055	No rain

※ Type of detector : CsI(Tl) scintillation detector (PDR-101, ALOKA)

3. Reading of Radioactivity Concentration in dust over the Sea

Sampling Point	Sampling Time and Date	Nuclide	Radioactivity Concentration (Bq/L) ^{*3}
Sampling Point1 at Sea Area 1	2011/3/25 7:55	¹³¹ I	Not Detectable
		¹³⁷ Cs	Not Detectable
Sampling Point2 at Sea Area 1	2011/3/25 8:42	¹³¹ I	—
		¹³⁷ Cs	—
Sampling Point3 at Sea Area 1	2011/3/25 9:14	¹³¹ I	—
		¹³⁷ Cs	—
Sampling Point4 at Sea Area 1	2011/3/25 10:00	¹³¹ I	0.27
		¹³⁷ Cs	Not Detectable
Sampling Point1 at Sea Area 2	2011/3/25 10:52	¹³¹ I	—
		¹³⁷ Cs	—
Sampling Point2 at Sea Area 2	2011/3/25 11:17	¹³¹ I	—
		¹³⁷ Cs	—
Sampling Point3 at Sea Area 2	2011/3/25 11:58	¹³¹ I	—
		¹³⁷ Cs	—
Sampling Point4 at Sea Area 2	2011/3/25 12:32	¹³¹ I	9.7
		¹³⁷ Cs	Not Detectable

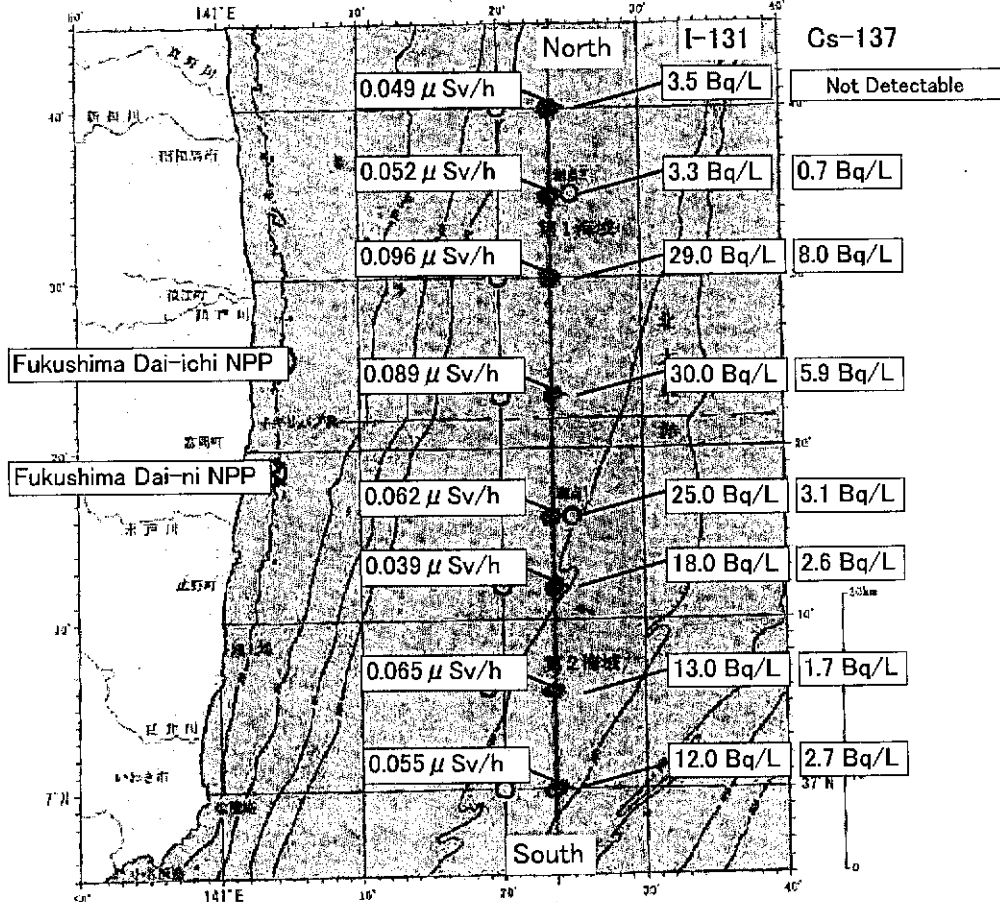
* measured in 3 points at Sea Areas above

Each sampling point is indicated below

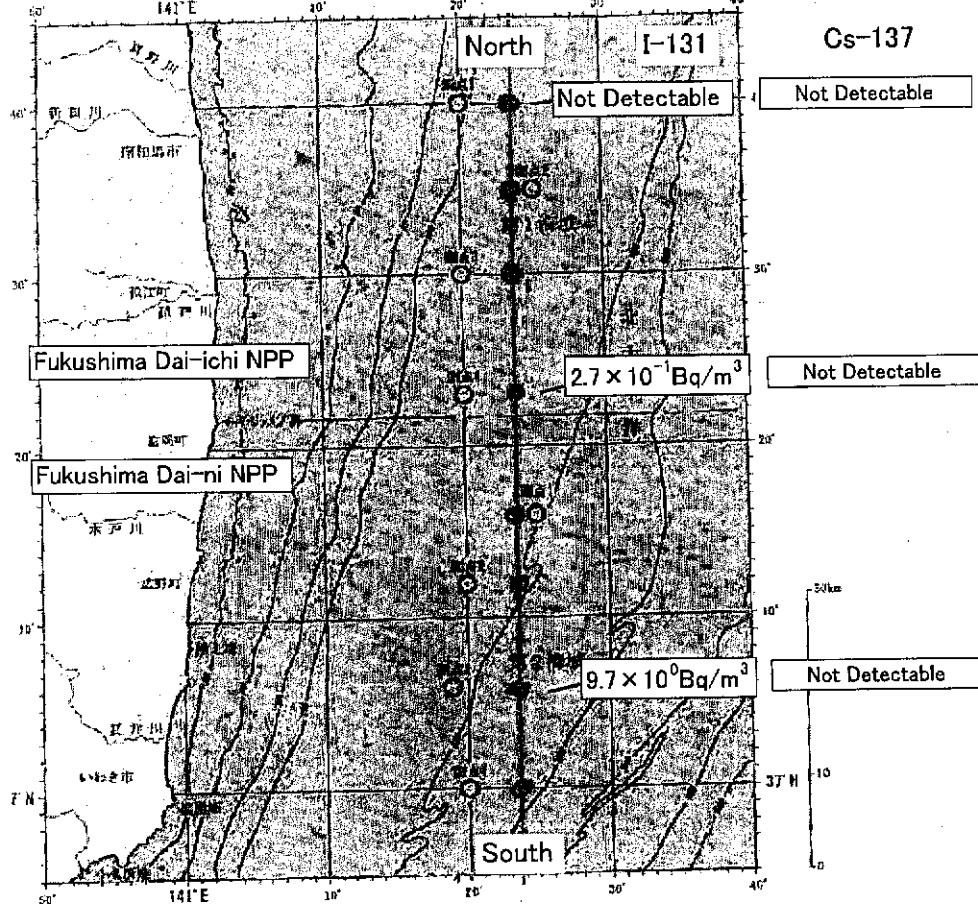
Sampling Point 1 at Sea Area 1	37° 38.8' N, 141° 24.0' E
Sampling Point 2 at Sea Area 1	37° 35.0' N, 141° 23.9' E
Sampling Point3 at Sea Area 1	37° 30.2' N, 141° 23.9' E
Sampling Point4 at Sea Area 1	37° 24.1' N, 141° 24.4' E
Sampling Point 1 at Sea Area 2	37° 16.1' N, 141° 23.8' E
Sampling Point2 at Sea Area 2	37° 12.1' N, 141° 23.9' E
Sampling Point3 at Sea Area 2	37° 05.7' N, 141° 24.0' E
Sampling Point4 at Sea Area 2	36° 59.9' N, 141° 23.8' E

Reading of Over the Sea

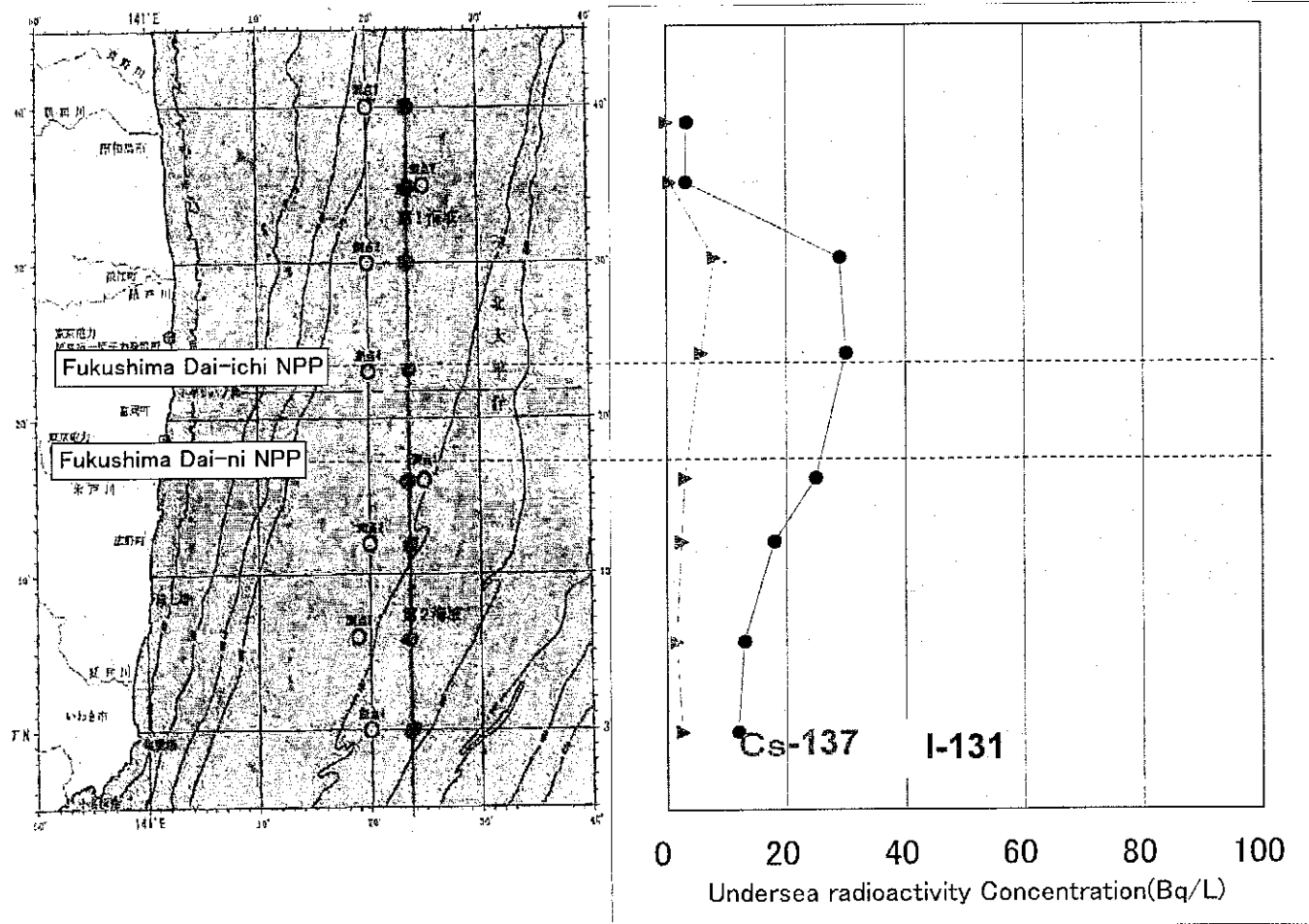
Radioactivity Concentration Undersea



Reading of Radioactivity Concentration in dust over the Sea



Readings of Sea Area Monitoring March 25, 2011



Readings of Sea Area Monitoring at Post Out of Fukushima Dai-ichi NPP

March 27, 2011
Ministry of Education, Culture, Sports, Science
and Technology (MEXT)

1. Radioactivity Concentration Undersea

Sampling Point ^{※1}	Sampling Time and Date	Nuclide	Radioactivity Concentration(Bq/L)
Sampling Point1 at Sea Area 1 ^{※2}	2011/3/26 8:05	¹³¹ I	18.1
		¹³⁷ Cs	16.4
Sampling Point3 at Sea Area 1	2011/3/26 9:12	¹³¹ I	15.3
		¹³⁷ Cs	Not Detectable
Sampling Point1 at Sea Area 2 ^{※3}	2011/3/26 10:30	¹³¹ I	14.0
		¹³⁷ Cs	5.90
Sampling Point3 at Sea Area 2	2011/3/26 11:35	¹³¹ I	6.60
		¹³⁷ Cs	2.84

※1 Seawater is collected at 4 points below (p2).

※2 Sea Area 1: offshore of Fukushima Dai-ichi NPP

※3 Sea Area 2: offshore of Fukushima Dai-ni NPP

2. Reading of Over the Sea

Sampling Point ^{※1}	Sampling Time and Date	Reading (μSv/h) ^{※2}	Weather
Sampling Point1 at Sea Area 1	2011/3/26 8:05	0.051	No Rain
Sampling Point3 at Sea Area 1	2011/3/26 9:12	0.068	No Rain
Sampling Point1 at Sea Area 2	2011/3/26 10:30	0.100	No Rain
Sampling Point3 at Sea Area 2	2011/3/26 11:35	0.041	No Rain

※1 Seawater is collected at 4 points below(p2).

※ Type of detector : CsI(Tl)scintillation detector (PDR-101, ALOKA)

3. Reading of Radioactivity Concentration in dust over the Sea

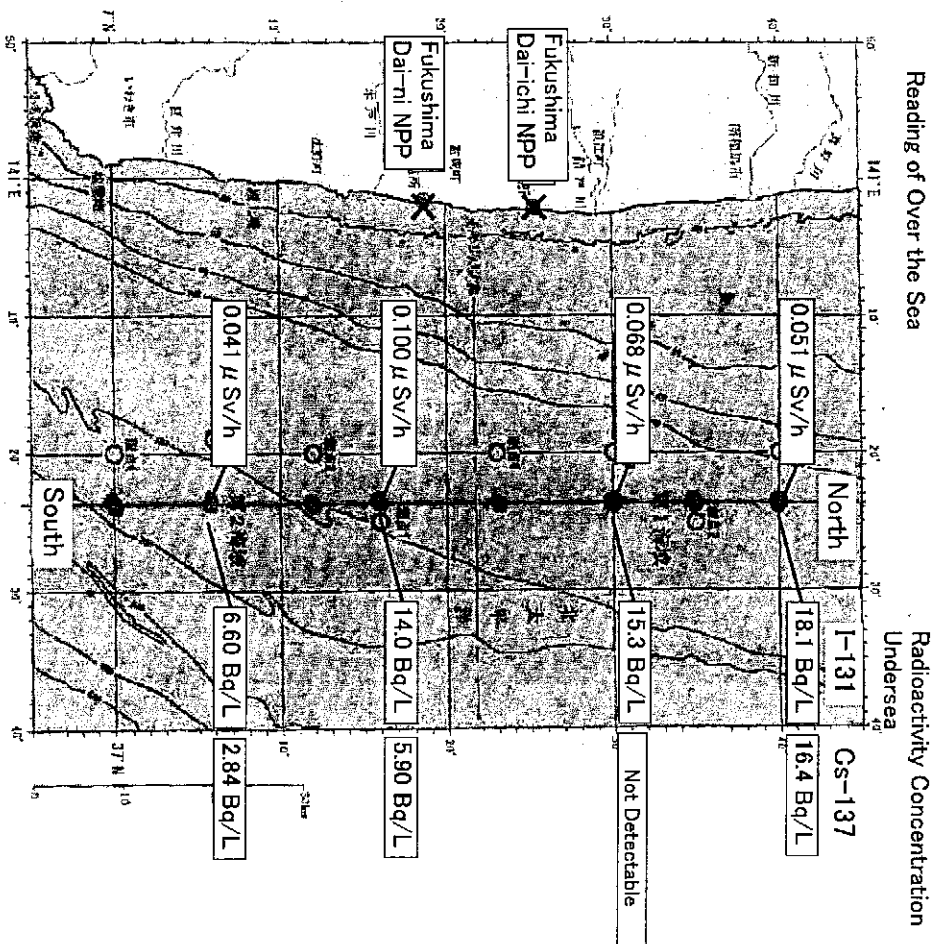
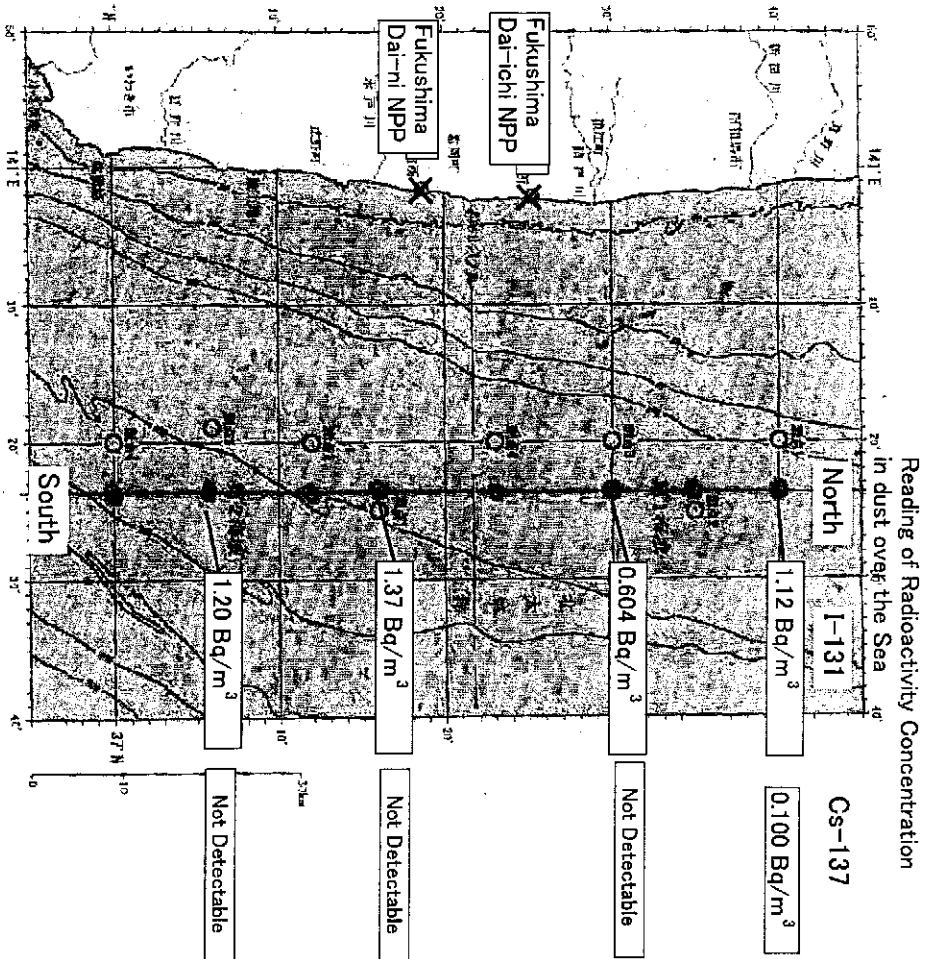
Sampling Point ^{※1}	Sampling Time and Date	Nuclide	Radioactivity Concentration(Bq/L) ^{※3}
Sampling Point1 at Sea Area 1	2011/3/26 8:05	¹³¹ I	1.12
		¹³⁷ Cs	0.100
Sampling Point3 at Sea Area 1	2011/3/26 9:12	¹³¹ I	0.604
		¹³⁷ Cs	Not Detectable
Sampling Point1 at Sea Area 2	2011/3/26 10:30	¹³¹ I	1.37
		¹³⁷ Cs	Not Detectable
Sampling Point3 at Sea Area 2	2011/3/26 11:35	¹³¹ I	1.20
		¹³⁷ Cs	Not Detectable

※1 Seawater is collected at 4 points below(p2).

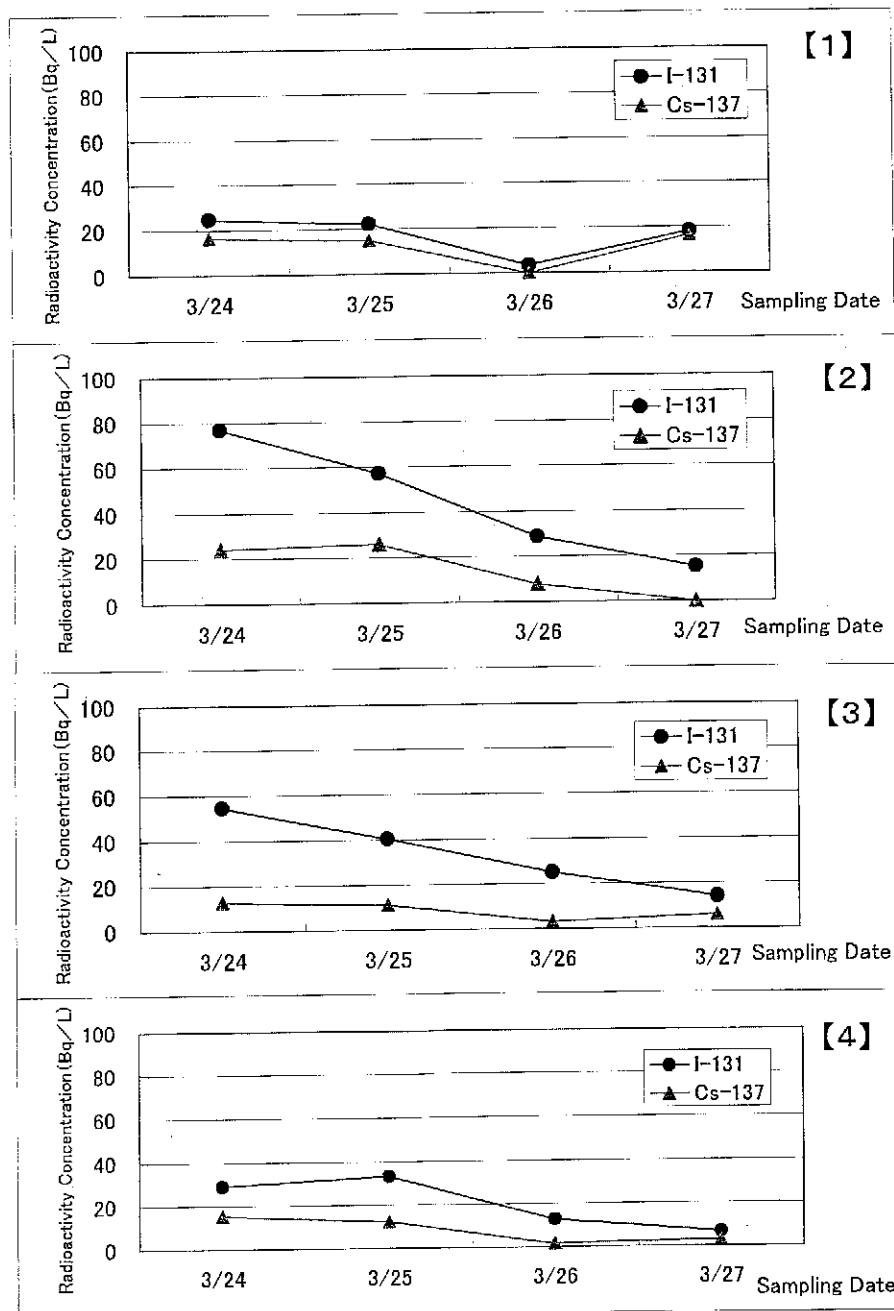
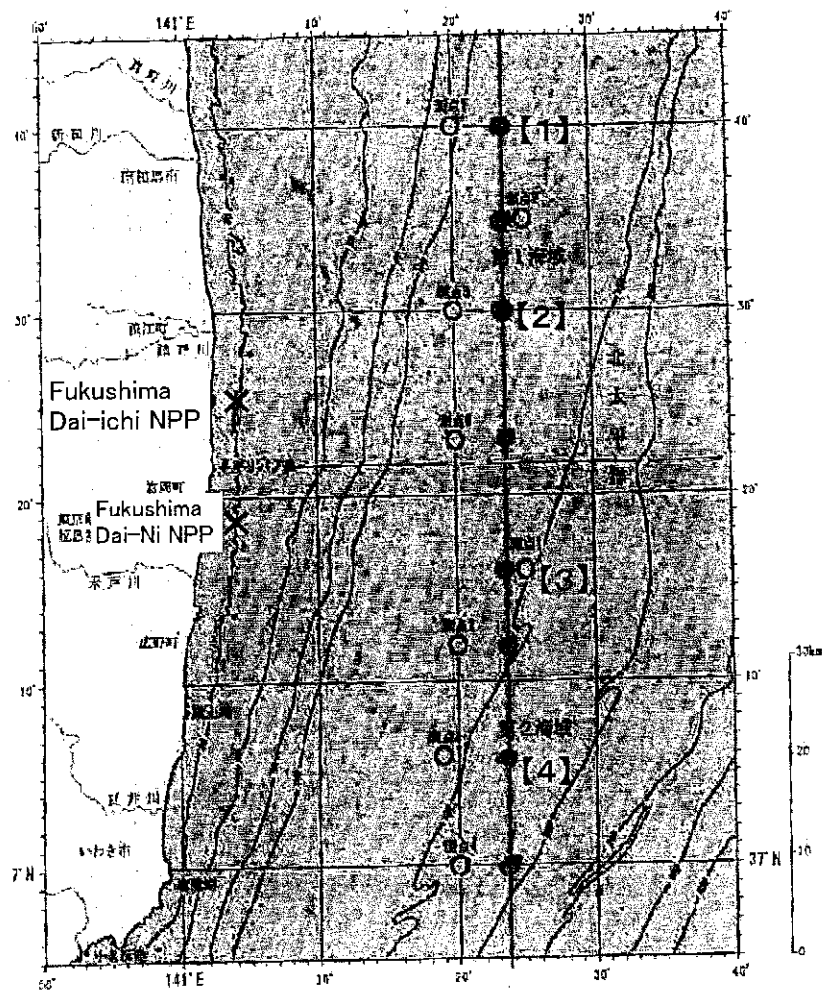
Each sampling point is indicated below

Sampling Point1 at Sea Area 1	37° 39.9´ N, 141° 24.4´ E
Sampling Point3 at Sea Area 1	37° 30.0´ N, 141° 24.6´ E
Sampling Point1 at Sea Area 2	37° 16.0´ N, 141° 24.0´ E
Sampling Point3 at Sea Area 2	37° 05.7´ N, 141° 24.2´ E

Readings of Sea Area Monitoring March 27, 2011



Readings of Sea Area Monitoring at Post Out of Fukushima Dai-ichi NPP
Result of Radioactivity Concentration in the Sea



Note: "Not Detectable" is illustrated as O

MEXT Airborne Monitoring Action Plan (with JAXA)

March 25, 2011

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

1. Purpose of the MEXT Airborne monitoring plan

In order to ascertain the status of radioactive substances released into the air from the Fukushima Dai-ichi and Dai-ni NPPs, MEXT has sought cooperation from the Japan Aerospace Exploration Agency (JAXA) to carry out monitoring over the NPPs using JAXA's small aircraft loaded with a radiation counter.

2. MEXT aerial monitoring action plan

In order to ascertain the status of radioactive substances released over an area, air dose rates in the air over the NPPs will be measured while considering the wind direction, etc. at the time of measurement.

- Date/time of measurement:

Around 12:00–15:00, March 25, 2011

*The time is subject to change according to the preparation status and weather

- Measurement aircraft:

Small aircraft (Beach craft 65)

- Measurement altitude:

Approx. 500 m (altitude above ground level)

- Flight speed:

Approx. 200 km/h

- Measurement location:

Air dose rates are measured while flying along a path including the boundary of the 30 km zone of the Fukushima Dai-ichi NPP in a direction that allows measurement perpendicular to the wind direction.

3. Organization conducting the monitoring

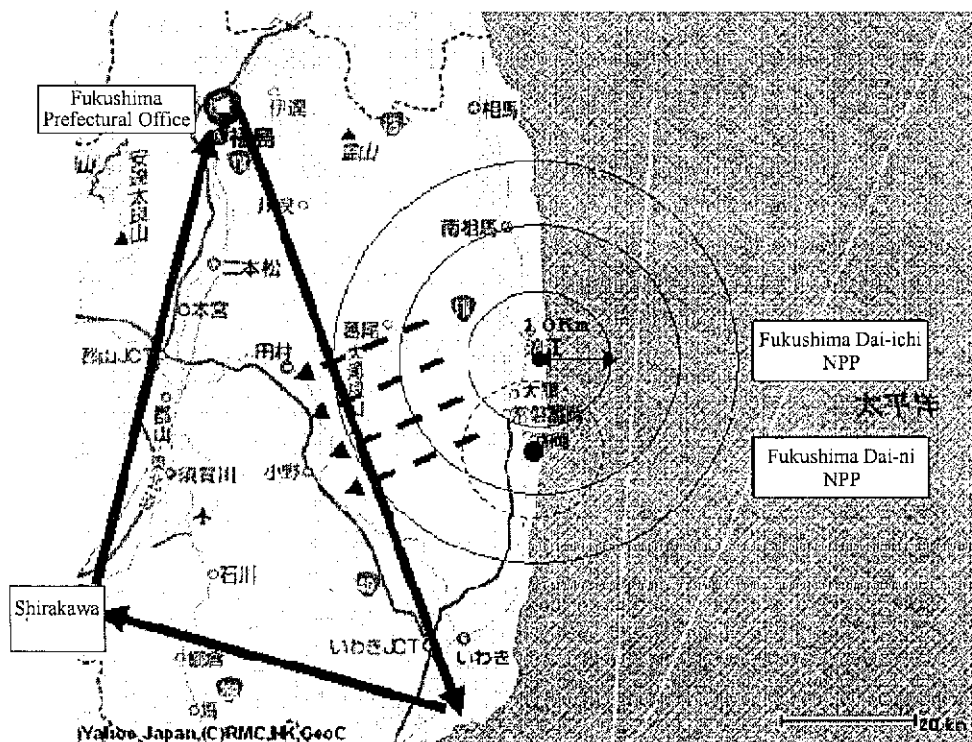
MEXT has sought cooperation from the Nuclear Safety Technology Center, which has knowledge of aerial monitoring technology, to measure the dose rates, etc. in the air.

Airborne Monitoring Action Plan

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

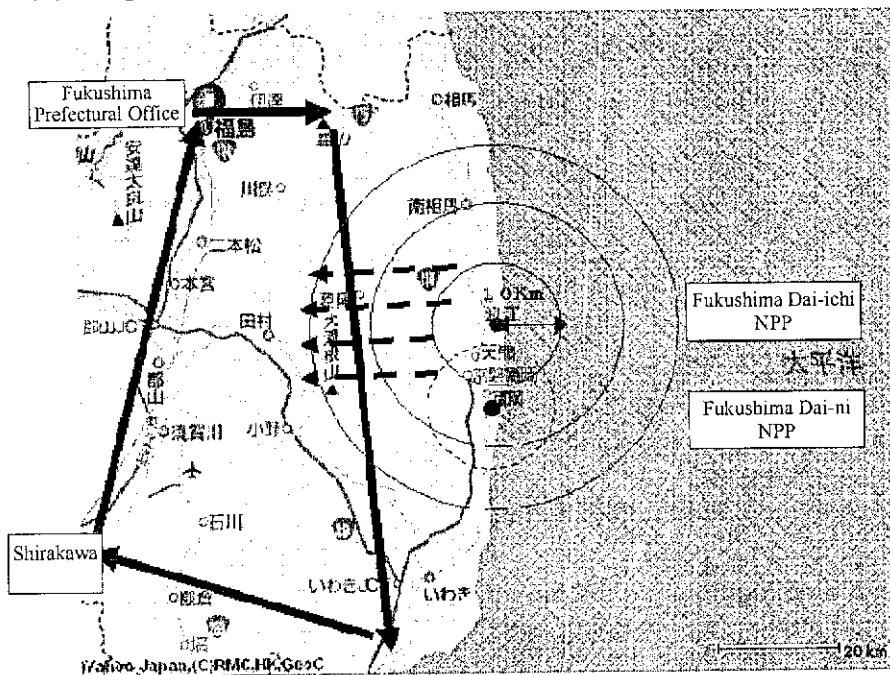
The aircraft will take a direction perpendicular to the wind to monitor air dose rates, etc. Starting from the Fukushima prefectural office, the flight path includes the borderline of the 30 km zone of the Fukushima Dai-ichi NPP. Depending on the wind direction around the Fukushima Dai-ichi NPP, one of the three flight paths below will be selected when starting the flight

(1) Proposed monitoring action plan (northeasterly wind)



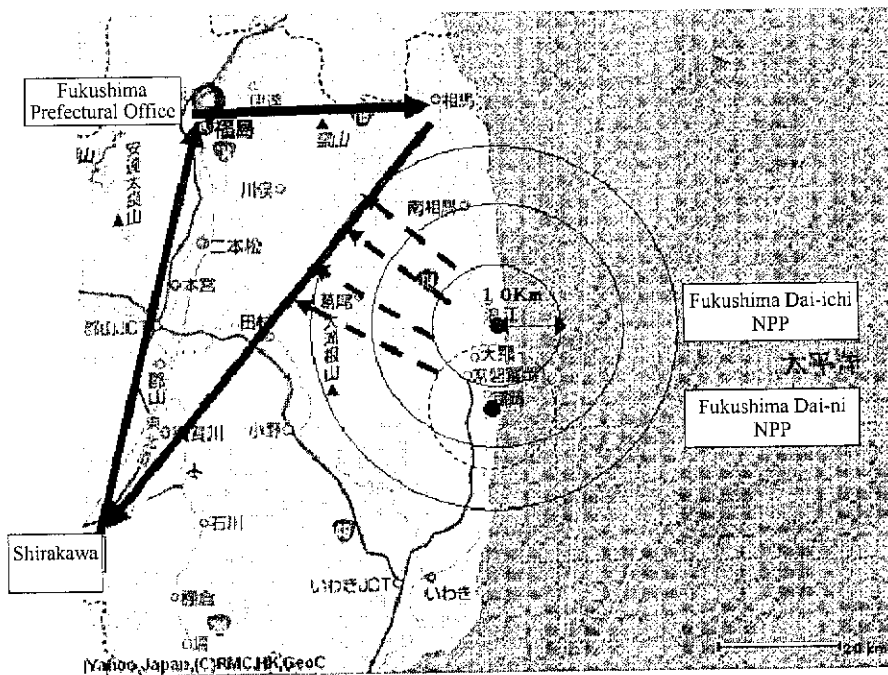
* In the actual flight, the aircraft will fly in a manner that does not enter the 30 km zone of the Fukushima-Dai-ichi NPP.

(2) Proposed monitoring action plan (easterly wind)



* In the actual flight, the aircraft will fly in a manner that does not enter the 30 km zone of the Fukushima-Dai-ichi NPP.

(3) Proposed monitoring action plan (southeasterly wind)



* In the actual flight, the aircraft will fly in a manner that does not enter the 30 km zone of the Fukushima-Dai-ichi NPP.

Status of Radiation Monitoring

March 25, 2011

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

I. Enhancing monitoring outside the 20 km zone of the Fukushima Dai-ichi NPP

In response to the accidents at the Fukushima Dai-ichi NPP, MEXT conducts and enhance monitoring in areas outside the 20 km zone of the NPP, as follows.

1. Monitoring of air dose rates

(1) Carborne monitoring

In cooperation with the relevant organizations, including the Fukushima prefectural government, the National Police Agency, the Ministry of Defense, and electric power companies, MEXT monitor the radiation dose rates at fixed points in areas outside the 20 km zone of the Fukushima Dai-ichi NPP using monitoring cars, and publishes the results.

In particular, MEXT concentrates on monitoring at the points requested by the Nuclear Safety Commission while reducing the frequency of monitoring at the current fixed-point observation sites. In addition, for the purpose of efficiently monitoring widespread contaminated areas, MEXT is measuring air dose rates, etc. to complement monitoring data for areas where such data is insufficient.

(2) Increase of fixed monitoring points by installing simple dosimeters

MEXT has increased fixed monitoring points to monitor doses by installing simple dosimeters. MEXT publishes radiation dose data, together with daily average dose rate.

2. Monitoring of radioactivity concentrations (air, ground surface, soil)

(1) Sampling of airborne dust, ground surface, and soil

MEXT samples dust, etc. at the points requested by the Nuclear Safety Commission to monitor the concentrations of radioactive substances in the air, using an air sampling device mounted on a monitoring car. Soil samples are collected at areas with a high radiation dose out of 20 km zone of the Fukushima Dai-ichi NPP to monitor the radioactivity concentration, as well as publishing such monitoring results.

(2) Beta-emitting nuclide analysis

Any of the above samples with high concentrations of radioactive iodine or cesium would be further studied to find the concentration of strontium-90 in order to identify the effects of beta rays.

3. Airborne monitoring

Today, MEXT monitored air dose rates in areas outside the 30 km zone of the Fukushima Dai-ichi NPP, with the Nuclear Safety Technology Center's radiation counter in the small aircraft of the Japan Aerospace Exploration Agency.

4. Sea area monitoring

At eight locations off the Fukushima coast, a research vessel of the Japan Agency for Marine-Earth Science and Technology samples seawater, etc. And the analysis results, including radioactivity concentrations, have been published since March 24. The vessel will carry out sampling at eight locations everyday for the time being.

II. Reinforcement of environmental radioactivity surveys nationwide

For some time now, MEXT has been entrusting prefectural governments to monitor air dose rates and radioactivity levels in fallout from the atmosphere to the ground surface and in

drinking water (tap water), and has been publishing the results. In response to the accidents of the Fukushima Dai-ichi NPP, the frequency of the survey has been urgently increased, and now it is implemented daily.

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

March 26, 2011

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

1. Measurement environment

- Time and Date:from March 25th 11:32 to March 25th 14:25
- Weather: Above Fukushima city : snow/sleet, southeasterly wind
- Flight condition: Average Flight Altitude during monitoring 1,650m
Average Flight Speed 260Km/h

2. Reading at Monitoring Post out of 30 Km Zone of Fukushima Dai-ichi NPP

Main Reading Point	City	Latitude Longitude	Altitude above sea level (m)	Monitoring Time	Readings(μ Sv/h)
【1】	Shirakawa (Fukushima Prefecture) ※outward path	37° 06.4' N 140° 09.8' E	2098	12:12	0.0275
【2】	Kooriyama (Fukushima Prefecture)	37° 21.0' N 140° 17.7' E	1805	12:18	0.0315
【3】	Fukushima (Fukushima Prefecture)	37° 37.6' N 140° 27.4' E	1485	12:25	0.0281
【4】	Shirakawa (Fukushima Prefecture) ※return path	37° 06.5' N 140° 10.3' E	1071	12:57	0.0234

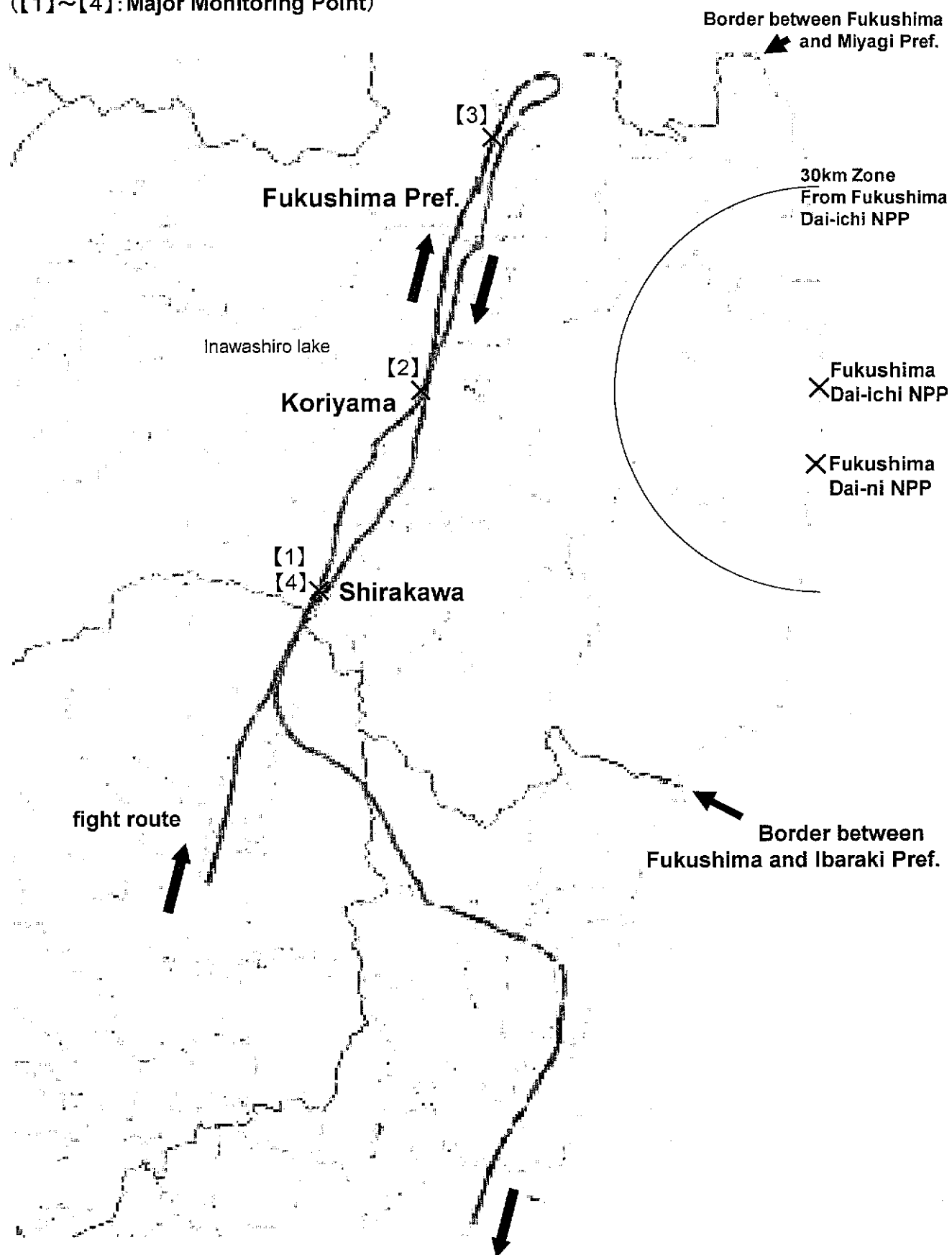
※1: Route of Flight

Base at Chofu→Utsunomiya→Nasushiobara→Shirakawa→Fukushima city→Shirakawa→West area of Iwaki city→Base at Hyakuri (Ibaraki)→Chofu

※2: Reading in the sky above Fukushima Pref. during comprehensive disaster-preparedness drill conducted by Fukushima Pref. in 2008 is 0.01~0.03 μ Sv/h (measured on October 22, 2008)

(reference)

Flight route of airborne monitoring on 25, March out of Fukushima Dai-ichi NPP
(【1】~【4】: Major Monitoring Point)



防衛省航空機による大気中の放出放射性物質の放射能濃度のモニタリングの測定結果
【太字、下線付きデータが今回追加箇所】

平成23年3月26日13:00現在
文 部 科 学 省

採取場所	高度	採取期間	検出核種 (Bq/m ³)	
			Cs-137	I-131
百里～新潟	約3000m (10000フィート)	2011/3/24 11:12～ 11:40	0.0019	0.039
百里～新潟	約3000m (10000フィート)	2011/3/25 9:28～ 9:59	<u>0.0015</u>	<u>0.019</u>
福島沖	約1500～3000m (5000～10000フィート)	2011/3/24 15:25～16:00	0.017	0.46
福島沖	約1500m (5000フィート)	2011/3/25 9:30～10:07	<u>0.011</u>	<u>0.20</u>

※財団法人 日本分析センターにおいて分析

(reference)

Readings of Radioactivity Concentration of Nuclide in the air by aircraft of Ministry of Defense

March 25, 2011
Japan Chemical Analysis Center

Monitoring Area	Altitude	Sampling Term	Nuclide (Bq/m ³)						
			Cs-134	Cs-136	Cs-137	I-131	I-132	I-133	Te-132
Hyakuri-Niigata	About 3000m (10000feet)	2011/3/24 11:12~ 11:40	0.0021	0.00030	0.0019	0.039	0.0016	Not Detectable	0.0020
offshore of Fukushima	About 1500~ 3000m (5000~ 10000feet)	2011/3/24 15:25~16:00	0.016	0.0016	0.017	0.46	0.040	Not Detectable	0.021

Readings of dust sampling (1/2)



: the readings in this thick-frame box are new.

As of 13:00 March 27, 2011

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

Sampling Point	Sampling Time and Date	Nuclide	Radioactivity Concentration (Bq/m ³)	Reading (μSv/h)	Monitoring Point by monitoring
【1-1】(About 45km North West)	3/23 10:45~10:55	¹³¹ I	4.0	5.5 μSv/h	【3】
		¹³⁷ Cs	1.2		
【1-7】(About 45km North) 1st	3/25 12:58~13:09	¹³¹ I	3.5	3.2 μSv/h	【7】
		¹³⁷ Cs	<0.99		
【1-7】(About 45km North) 2nd	3/25 13:58~14:09	¹³¹ I	4.3	3.2 μSv/h	【7】
		¹³⁷ Cs	1.6		
【1-7】(About 45km North) 3rd	3/25 14:57~15:08	¹³¹ I	15	3.2 μSv/h	【7】
		¹³⁷ Cs	<0.98		
【1-7】(About 45km North) 4th	3/25 15:58~16:09	¹³¹ I	22	3.2 μSv/h	【7】
		¹³⁷ Cs	1.1		
【1-7】(About 45km North) 3rd	3/26 11:27~11:38	¹³¹ I	2.9	1.5 μSv/h	【7】
		¹³⁷ Cs	0.96		
【1-7】(About 45km North) 4th	3/26 13:00~13:11	¹³¹ I	2.2	1.5 μSv/h	【7】
		¹³⁷ Cs	1.3		
【1-2】(About 40km North West)	3/23 10:50~11:10	¹³¹ I	5.2	9.0 μSv/h	【36】
		¹³⁷ Cs	<1.2		
【1-3】(About 30km West North West)	3/23 13:54~14:17	¹³¹ I	8	9.4 μSv/h	【21】
		¹³⁷ Cs	<1.4		
【1-4】(About 35km West)	3/23 12:40~13:02	¹³¹ I	2.8	2.3 μSv/h	【15】
		¹³⁷ Cs	<1.1		
【1-4】(About 35km West) 1st	3/24 10:58~11:09	¹³¹ I	3.1	2.0 μSv/h	【15】
		¹³⁷ Cs	<0.99		
【1-4】(About 35km West) 2nd	3/24 11:58~12:09	¹³¹ I	2.4	2.8 μSv/h	【15】
		¹³⁷ Cs	1.3		
【1-4】(About 35km West) 3rd	3/24 12:58~13:09	¹³¹ I	2.5	2.5 μSv/h	【15】
		¹³⁷ Cs	<1.2		
【1-4】(About 35km West) 4th	3/24 13:58~14:09	¹³¹ I	2.2	2.2 μSv/h	【15】
		¹³⁷ Cs	1.6		
【1-4】(About 35km West) 5th	3/24 14:58~15:09	¹³¹ I	2.8	2.5 μSv/h	【15】
		¹³⁷ Cs	<1.2		
【1-4】(About 35km West) 6th	3/24 15:58~16:09	¹³¹ I	2.1	2.2 μSv/h	【15】
		¹³⁷ Cs	<1.0		
【1-5】(About 25km South) Vehicle-Borne Survey 1st	3/23 13:15~13:58	¹³¹ I	530.0	5.5~14.0 μSv/h	【71】
		¹³⁷ Cs	6.6		
【1-5】(About 25km South) Vehicle-Borne Survey 2nd	3/23 14:30~15:10	¹³¹ I	180	5.5~14.0 μSv/h	【71】
		¹³⁷ Cs	2.3		
【1-5】(About 25km South) Vehicle-Borne Survey 3rd	3/23 15:20~15:59	¹³¹ I	110	5.5~14.0 μSv/h	【71】
		¹³⁷ Cs	2.1		
【1-5】(About 25km South) Vehicle-Borne Survey 1st	3/24 10:06~10:44	¹³¹ I	5.9	5.6 μSv/h	【71】
		¹³⁷ Cs	<0.66		【71】
【1-5】(About 25km South) Vehicle-Borne Survey 2nd	3/24 10:53~11:33	¹³¹ I	9		
		¹³⁷ Cs	<0.71		【71】
【1-5】(About 25km South) Vehicle-Borne Survey 3rd	3/24 11:44~12:26	¹³¹ I	12		
		¹³⁷ Cs	1.1		【71】
【1-5】(About 25km South) 1st	3/25 13:12~13:42	¹³¹ I	23	2.0 μSv/h	【71】
		¹³⁷ Cs	1.4		

【1-5】(About25kmSouth)2nd	3/25 14:12~14:42	¹³¹ I	19	2.8 μ Sv/h	【71】
		¹³⁷ Cs	1.3		
【1-5】(About25kmSouth)3rd	3/25 15:12~15:42	¹³¹ I	24	2.5 μ Sv/h	【71】
		¹³⁷ Cs	2.5		
【1-5】(About25kmSouth)4th	3/25 16:12~16:42	¹³¹ I	10	2.2 μ Sv/h	【71】
		¹³⁷ Cs	1.3		
【1-5】(About25kmSouth) Vehicle-Borne Survey	3/25 11:51~12:38	¹³¹ I	43	4.1~5.5 μ Sv/h	【71】
		¹³⁷ Cs	2		
【1-5】(About25kmSouth)1st	3/26 12:47~13:21	¹³¹ I	13	3.9 μ Sv/h	【71】
		¹³⁷ Cs	1.3		
【1-5】(About25kmSouth)2nd	3/26 14:21~14:57	¹³¹ I	10	3.9 μ Sv/h	【71】
		¹³⁷ Cs	1.5		
【3-1】(About30kmNorthWest) 1st	3/24 11:20~11:41	¹³¹ I	43	30.0 μ Sv/h	【33】
		¹³⁷ Cs	2		
【3-1】(About30kmNorthWest) 2nd	3/24 12:20~12:40	¹³¹ I	3.3	30.0 μ Sv/h	【33】
		¹³⁷ Cs	<0.98		
【3-1】(About30kmNorthWest) 3rd	3/24 13:20~13:42	¹³¹ I	3.8	30.0 μ Sv/h	【33】
		¹³⁷ Cs	<1.2		
【3-1】(About30kmNorthWest) 4rd	3/24 14:20~14:42	¹³¹ I	3.8	30.0 μ Sv/h	【33】
		¹³⁷ Cs	1.5		
【3-1】(About30kmNorthWest) 5th	3/24 15:20~15:42	¹³¹ I	3.3	30.0 μ Sv/h	【33】
		¹³⁷ Cs	1.7		
【3-1】(About30kmNorthWest) 4rd	3/26 11:38~12:00	¹³¹ I	5.8	26 μ Sv/h	【33】
		¹³⁷ Cs	4.8		
【3-1】(About30kmNorthWest) 5th	3/26 13:18~13:39	¹³¹ I	5.2	26 μ Sv/h	【33】
		¹³⁷ Cs	2.2		

Readings are already announced in "Readings at Monitoring Post out of 20 Km Zone of Fukushima Dai-ichi NPP"

Readings of dust sampling (2/2)



: the readings in this thick-frame box are new.

Sampling Point	Sampling Time and Date	Nuclide	Radioactivity Concentration (Bq/m ³)	Reading (μSv/h)
【1】(About 60km North West)	2011/3/19 18:30~18:50	¹³¹ I	1.22	7.2
		¹³⁷ Cs	ND	
	2011/3/20 18:30~18:50	¹³¹ I	203	5.0
		¹³⁷ Cs	32.20	
	2011/3/21 18:30~18:50	¹³¹ I	2.50	4.5
		¹³⁷ Cs	ND	
	2011/3/22 18:30~18:50	¹³¹ I	3.06	5.2
		¹³⁷ Cs	ND	
	2011/3/23 19:38~19:58	¹³¹ I	3.69	4.0
		¹³⁷ Cs	1.20	
	2011/3/24 18:30~18:55	¹³¹ I	ND	3.6
		¹³⁷ Cs	ND	
	2011/3/25 19:10~19:20	¹³¹ I	24.00	2.5
		¹³⁷ Cs	14.20	
【2-5】(About 40km South West)	2011/3/26 18:30~18:40	¹³¹ I	1.75	2.5
		¹³⁷ Cs	ND	
	2011/3/20 13:57~14:17	¹³¹ I	24.00	0.6
		¹³⁷ Cs	1.75	
	2011/3/21 13:37~13:57	¹³¹ I	2.69	0.5
		¹³⁷ Cs	ND	
	2011/3/22 12:32~12:52	¹³¹ I	6.29	0.4
		¹³⁷ Cs	ND	
	2011/3/23 12:50~13:10	¹³¹ I	1.86	0.5
		¹³⁷ Cs	ND	
	2011/3/24 13:21~13:41	¹³¹ I	1.19	-
		¹³⁷ Cs	ND	
	2011/3/25 13:35~13:55	¹³¹ I	12.40	0.4
		¹³⁷ Cs	ND	
【2-6】(About 45km South)	2011/3/26 11:55~12:15	¹³¹ I	ND	0.6
		¹³⁷ Cs	ND	
	2011/3/20 15:25~15:45	¹³¹ I	6.89	0.6
		¹³⁷ Cs	ND	
	2011/3/21 15:00~15:20	¹³¹ I	28.90	1.5
		¹³⁷ Cs	ND	
	2011/3/22 14:00~14:20	¹³¹ I	17.00	0.6
		¹³⁷ Cs	ND	
	2011/3/23 14:15~14:35	¹³¹ I	6.93	1.0
		¹³⁷ Cs	ND	
	2011/3/24 15:12~15:32	¹³¹ I	8.25	1.4
		¹³⁷ Cs	ND	
	2011/3/25 13:47~14:07	¹³¹ I	40.60	1.1
		¹³⁷ Cs	ND	
	2011/3/26 13:45~14:05	¹³¹ I	3.28	1.0
		¹³⁷ Cs	ND	

【2-3】(About 40km West)	2011/3/21	¹³¹ I	3.74	0.9
	12:30~12:50	¹³⁷ Cs	ND	
	2011/3/22	¹³¹ I	3.92	2.2
	11:32~11:52	¹³⁷ Cs	ND	
	2011/3/23	¹³¹ I	1.75	1.0
	11:50~12:10	¹³⁷ Cs	ND	
	2011/3/24	¹³¹ I	0.97	-
	12:12~12:32	¹³⁷ Cs	ND	
	2011/3/25	¹³¹ I	37.00	0.8
	13:33~13:53	¹³⁷ Cs	1.45	
【2-1】(About 40km North West)	2011/3/26	¹³¹ I	1.77	0.8
	11:52~12:12	¹³⁷ Cs	ND	
	2011/3/21	¹³¹ I	12.80	4.1
	13:00~13:20	¹³⁷ Cs	2.37	
	2011/3/22	¹³¹ I	5.87	4.2
	12:26~12:46	¹³⁷ Cs	ND	
	2011/3/23	¹³¹ I	2.99	16.8
	12:50~13:10	¹³⁷ Cs	ND	
	2011/3/24	¹³¹ I	5.80	10.0
	13:30~13:50	¹³⁷ Cs	1.51	
【2-4】(About 25km North)	2011/3/25	¹³¹ I	5.87	12.3
	12:45~13:05	¹³⁷ Cs	ND	
	2011/3/26	¹³¹ I	5.39	7.8
	12:26~12:46	¹³⁷ Cs	1.33	
	2011/3/21	¹³¹ I	13.20	2.8
	14:20~14:40	¹³⁷ Cs	0.735	
	2011/3/22	¹³¹ I	3.81	1.8
	13:35~13:55	¹³⁷ Cs	ND	
	2011/3/23	¹³¹ I	2.62	1.1
	14:10~14:30	¹³⁷ Cs	ND	
【2-2】(About 45km North West)	2011/3/24	¹³¹ I	193.00	1.2
	14:55~15:15	¹³⁷ Cs	2.94	
	2011/3/25	¹³¹ I	16.10	0.7
	14:20~14:40	¹³⁷ Cs	ND	
	2011/3/26	¹³¹ I	2.62	1.3
	13:57~14:17	¹³⁷ Cs	ND	
	2011/3/22	¹³¹ I	10.50	7.8
	11:10~11:30	¹³⁷ Cs	ND	
	2011/3/23	¹³¹ I	1.47	6.0
	11:31~11:51	¹³⁷ Cs	ND	
【2-7】(About 35km North West)	2011/3/24	¹³¹ I	1.47	2.0
	11:20~11:40	¹³⁷ Cs	ND	
	2011/3/25	¹³¹ I	2.15	7.5
	11:25~11:45	¹³⁷ Cs	ND	
	2011/3/26	¹³¹ I	1.19	4.3
	11:10~11:30	¹³⁷ Cs	ND	
	2011/3/26	¹³¹ I	1.54	
	14:06~14:26	¹³⁷ Cs	ND	
	2011/3/25	¹³¹ I	555.00	12.0
	15:05~15:22	¹³⁷ Cs	12.40	

【2-8】(About50kmNorthWest)	2011/3/24	^{131}I	2.71	-
	12:05~12:25	^{137}Cs	ND	
	2011/3/25	^{131}I	34.00	-
	16:13~16:33	^{137}Cs	ND	
	2011/3/26	^{131}I	ND	-
	15:15~15:35	^{137}Cs	ND	
【2-9】(About45kmWestNorthWe)	2011/3/25	^{131}I	8.67	-
	11:32~11:52	^{137}Cs	ND	
	2011/3/26	^{131}I	7.98	-
	10:10~10:30	^{137}Cs	ND	
【2-10】(About50kmNorth)	2011/3/25	^{131}I	33.60	-
	16:25~16:45	^{137}Cs	0.84	

The government requests Fukushima Prefecture to gain the readings above.

Readings of soil monitoring



: the readings in this thick-frame box are new.

Sampling Point	Sampling Time and Date	Nuclide	Radioactivity Concentration (Bq/m ³)	Reading (μSv/h)	Monitoring Point by monitoring car
【3-1】(About30kmNorthWest)	3/23 11:10	¹³¹ I	200,000	103 μSv/h	【33】
		¹³⁷ Cs	45,000		
【3-2】(About30kmNorthWest)	3/23 13:17	¹³¹ I	92,000	15 μSv/h	【34】
		¹³⁷ Cs	15,000		
【3-3】(About35kmWest)	3/23 12:50	¹³¹ I	11,000	2.3 μSv/h	【15】
		¹³⁷ Cs	3,300		
【3-3】(About35kmWest)	3/24 12:58	¹³¹ I	4,900	2.5 μSv/h	【15】
		¹³⁷ Cs	220		
【3-4】(About40kmNorthWest)	3/23 11:08	¹³¹ I	33,000	2.8 μSv/h	【11】
		¹³⁷ Cs	8,600		
【3-5】(About50kmNorthWest)	3/23 10:30	¹³¹ I	4,200	2.8 μSv/h	【4】
		¹³⁷ Cs	770		
【3-6】 (About30kmWestNorthWest)	3/23 14:00	¹³¹ I	70,000	9.4 μSv/h	【21】
		¹³⁷ Cs	12,000		
【3-6】 (About30kmWestNorthWest)	3/26 15:33	¹³¹ I	13,000	6.5 μSv/h	【21】
		¹³⁷ Cs	2,900		
【3-7】(About25kmSouth)	3/23 13:00	¹³¹ I	69,000	14.0 μSv/h	【71】
		¹³⁷ Cs	2,600		
【3-8】(About25kmSouth)	3/23 16:22	¹³¹ I	140,000	14.0 μSv/h	【71】
		¹³⁷ Cs	2,900		
【3-15】(About25kmSouth)	3/25 14:15	¹³¹ I	560	5.5 μSv/h	【71】
		¹³⁷ Cs	410		
【3-15】(About25kmSouth)	3/26 12:55	¹³¹ I	31,000	3.9 μSv/h	【71】
		¹³⁷ Cs	1,800		
【3-9】(About45kmNorth)	3/25 11:24	¹³¹ I	6,900	2.7 μSv/h	【5】
		¹³⁷ Cs	1,600		
【3-9】(About45kmNorth)	3/26 10:48	¹³¹ I	6,900	1.0 μSv/h	【5】
		¹³⁷ Cs	1,600		
【3-9】(About45kmNorth)	3/26 12:30	¹³¹ I	110,000	1.0 μSv/h	【5】
		¹³⁷ Cs	2,800		
【3-10】(About45kmNorth)	3/25 12:18	¹³¹ I	11,000	3.7 μSv/h	【6】
		¹³⁷ Cs	3,300		
【3-10】(About45kmNorth)	3/26 11:12	¹³¹ I	14,000	1.5 μSv/h	【6】
		¹³⁷ Cs	3,800		
【3-11】(About45kmNorth)	3/25 12:33	¹³¹ I	8,000	3.2 μSv/h	【7】
		¹³⁷ Cs	1,300		
【3-11】(About45kmNorth)	3/26 11:33	¹³¹ I	13,000	1.5 μSv/h	【7】
		¹³⁷ Cs	4,300		
【3-12】 (About30kmWestNorthWest)	3/25 14:13	¹³¹ I	29,000	30.5 μSv/h	【31】
		¹³⁷ Cs	627		
【3-12】 (About30kmWestNorthWest)	3/26 10:15	¹³¹ I	17,000	20.0 μSv/h	【31】
		¹³⁷ Cs	1,400		
【3-13】(About30kmNorthWest)	3/25 14:30	¹³¹ I	88,700	65.0 μSv/h	【32】
		¹³⁷ Cs	9,260		
【3-1】(About30kmNorthWest)	3/26 10:55	¹³¹ I	7,500	26.0 μSv/h	【33】
		¹³⁷ Cs	1,500		
【3-1】(About30kmNorthWest)	3/25 14:45	¹³¹ I	251,000	27.0 μSv/h	【33】
		¹³⁷ Cs	60,100		
【3-14】(About40kmNorthWest)	3/25 15:35	¹³¹ I	73,000	7.0 μSv/h	【36】
		¹³⁷ Cs	18,000		
【3-14】(About40kmNorthWest)	3/26 19:30	¹³¹ I	49,000	7.8 μSv/h	【36】
		¹³⁷ Cs	9,300		

Readings of environmental monitoring samples

: the readings in this thick-frame box are new.

Sampling Point	Address of Sampling Point	Sample	Sort or Region	Sampling Time and Date	Nuclide	Radioactivity Concentration (Bq/kg)	Reading (μSv/h)	Note
【2-1】(About 40km North West)	Iitate Village	Weed	Leaf vegetable	3/18 12:20	¹³¹ I	2,520,000	Over 30	
					¹³⁷ Cs	1,800,000		
【2-1】(About 40km North West)	Iitate Village	Weed	Leaf vegetable	3/19 11:40	¹³¹ I	845,000	26.5	
					¹³⁷ Cs	1,010,000		
【2-1】(About 40km North West)	Iitate Village	Weed	Leaf vegetable	3/20 12:40	¹³¹ I	2,540,000	25.8	
					¹³⁷ Cs	2,650,000		
【2-1】(About 40km North West)	Iitate Village	Weed	Leaf vegetable	3/21 12:32	¹³¹ I	1,330,000	20.4	
					¹³⁷ Cs	1,240,000		
【2-1】(About 40km North West)	Iitate Village	Weed	Leaf vegetable	3/22 12:00	¹³¹ I	1,110,000	15.3	
					¹³⁷ Cs	1,600,000		
【2-1】(About 40km North West)	Iitate Village	Weed	Leaf vegetable	3/23 11:30	¹³¹ I	819,000	16.8	
					¹³⁷ Cs	1,620,000		
【2-1】(About 40km North West)	Iitate Village	Weed	Leaf vegetable	3/25 12:20	¹³¹ I	400,000	12.3	
					¹³⁷ Cs	398,000		
【2-4】(About 25km North)	Minamisouma City	Weed	Leaf vegetable	3/18 13:30	¹³¹ I	88,600	-	
					¹³⁷ Cs	17,800		
【2-4】(About 25km North)	Minamisouma City	Weed	Leaf vegetable	3/19 13:00	¹³¹ I	455,000	-	
					¹³⁷ Cs	24,900		
【2-4】(About 25km North)	Minamisouma City	Weed	Leaf vegetable	3/20 14:30	¹³¹ I	497,000	3.4	
					¹³⁷ Cs	24,700		
【2-4】(About 25km North)	Minamisouma City	Weed	Leaf vegetable	3/21 14:07	¹³¹ I	289,000	2.8	
					¹³⁷ Cs	13,400		
【2-4】(About 25km North)	Minamisouma City	Weed	Leaf vegetable	3/22 13:35	¹³¹ I	140,000	1.8	
					¹³⁷ Cs	17,200		
【2-4】(About 25km North)	Minamisouma City	Weed	Leaf vegetable	3/23 14:10	¹³¹ I	185,000	1.1	
					¹³⁷ Cs	17,200		
【2-4】(About 25km North)	Minamisouma City	Weed	Leaf vegetable	3/25 14:20	¹³¹ I	217,000	0.7	
					¹³⁷ Cs	18,800		
【2-6】(About 45km South)	Iwaki City	Weed	Leaf vegetable	3/18 13:15	¹³¹ I	690,000	-	
					¹³⁷ Cs	17,400		
【2-6】(About 45km South)	Iwaki City	Weed	Leaf vegetable	3/18 13:40	¹³¹ I	468,000	-	
					¹³⁷ Cs	10,100		
【2-6】(About 45km South)	Iwaki City	Weed	Leaf vegetable	3/20 15:25	¹³¹ I	548,000	0.6	
					¹³⁷ Cs	17,500		
【2-6】(About 45km South)	Iwaki City	Weed	Leaf vegetable	3/21 15:10	¹³¹ I	115,000	1.5	
					¹³⁷ Cs	2,380		
【2-6】(About 45km South)	Iwaki City	Weed	Leaf vegetable	3/22 13:50	¹³¹ I	448,000	0.6	
					¹³⁷ Cs	18,600		
【2-6】(About 45km South)	Iwaki City	Weed	Leaf vegetable	3/23 14:20	¹³¹ I	451,000	1.0	
					¹³⁷ Cs	30,300		
【2-6】(About 45km South)	Iwaki City	Weed	Leaf vegetable	3/25 13:45	¹³¹ I	170,000	1.1	
					¹³⁷ Cs	6,860		
【2-2】(About 45km North West)	Kawamata Town	Weed	Leaf vegetable	3/18 11:45	¹³¹ I	173,000	-	
					¹³⁷ Cs	72,800		
【2-2】(About 45km North West)	Kawamata Town	Weed	Leaf vegetable	3/19 11:00	¹³¹ I	184,000	-	
					¹³⁷ Cs	65,100		
【2-2】(About 45km North West)	Kawamata Town	Weed	Leaf vegetable	3/20 12:05	¹³¹ I	308,000	4.2	
					¹³⁷ Cs	138,000		
【2-2】(About 45km North West)	Kawamata Town	Weed	Leaf vegetable	3/21 12:03	¹³¹ I	315,000	3.5	
					¹³⁷ Cs	120,000		
【2-2】(About 45km North West)	Kawamata Town	Weed	Leaf vegetable	3/22 11:00	¹³¹ I	180,000	7.8	
					¹³⁷ Cs	89,000		

【2-2】(About45kmNorthWest)	Kawamata Town	Weed	Leaf vegetable	3/23 11:30	¹³¹ I	170,000	5.5	
					¹³⁷ Cs	73,700		
【2-2】(About45kmNorthWest)	Kawamata Town	Weed	Leaf vegetable	3/23 11:30	¹³¹ I	74,400	5.5	without washed
					¹³⁷ Cs	23,100		
【2-2】(About45kmNorthWest)	Kawamata Town	Weed	Leaf vegetable	3/23 11:30	¹³¹ I	46,200	5.5	Washed
					¹³⁷ Cs	16,000		
【2-2】(About45kmNorthWest)	Kawamata Town	Weed	Leaf vegetable	3/25 11:30	¹³¹ I	155,000	7.5	
					¹³⁷ Cs	53,000		
【2-2】(About45kmNorthWest)	Kawamata Town	Weed	Leaf vegetable	3/25 15:07	¹³¹ I	663,000	7.5	
					¹³⁷ Cs	497,000		
【2-3】(About40kmWest)	Tamura City	Weed	Leaf vegetable	3/18 11:35	¹³¹ I	36,000	1.6	
					¹³⁷ Cs	40,100		
【2-3】(About40kmWest)	Tamura City	Weed	Leaf vegetable	3/19 11:35	¹³¹ I	68,000	0.8	
					¹³⁷ Cs	38,500		
【2-3】(About40kmWest)	Tamura City	Weed	Leaf vegetable	3/20 12:40	¹³¹ I	75,700	0.7	
					¹³⁷ Cs	50,000		
【2-3】(About40kmWest)	Tamura City	Weed	Leaf vegetable	3/21 12:30	¹³¹ I	30,800	0.7	
					¹³⁷ Cs	25,000		
【2-3】(About40kmWest)	Tamura City	Weed	Leaf vegetable	3/22 11:30	¹³¹ I	43,200	1.4	
					¹³⁷ Cs	25,000		
【2-3】(About40kmWest)	Tamura City	Weed	Leaf vegetable	3/23 11:50	¹³¹ I	24,100	1.0	
					¹³⁷ Cs	17,000		
【2-3】(About40kmWest)	Tamura City	Weed	Leaf vegetable	3/25 13:28	¹³¹ I	23,400	0.8	
					¹³⁷ Cs	13,700		
【2-5】(About40kmSouthWest)	Ono Town	Weed	Leaf vegetable	3/18 12:35	¹³¹ I	181,000	0.9	
					¹³⁷ Cs	28,300		
【2-5】(About40kmSouthWest)	Ono Town	Weed	Leaf vegetable	3/19 12:15	¹³¹ I	201,000	0.7	
					¹³⁷ Cs	73,800		
【2-5】(About40kmSouthWest)	Ono Town	Weed	Leaf vegetable	3/20 13:50	¹³¹ I	36,900	0.6	
					¹³⁷ Cs	11,700		
【2-5】(About40kmSouthWest)	Ono Town	Weed	Leaf vegetable	3/21 13:40	¹³¹ I	20,300	0.4	
					¹³⁷ Cs	11,200		
【2-5】(About40kmSouthWest)	Ono Town	Weed	Leaf vegetable	3/22 12:40	¹³¹ I	32,000	0.5	
					¹³⁷ Cs	8,120		
【2-5】(About40kmSouthWest)	Ono Town	Weed	Leaf vegetable	3/23 12:50	¹³¹ I	22,300	0.5	
					¹³⁷ Cs	10,300		
【2-5】(About40kmSouthWest)	Ono Town	Weed	Leaf vegetable	3/25 11:30	¹³¹ I	21,800	0.4	
					¹³⁷ Cs	8,040		
【2-9】(About45kmWestNorthWest)	Nihonmatsu City	Weed	Leaf vegetable	3/25 11:40	¹³¹ I	73,400	-	
					¹³⁷ Cs	235,000		
【2-8】(About50kmNorthWest)	Date City	Weed	Leaf vegetable	3/25 16:18	¹³¹ I	77,100	-	
					¹³⁷ Cs	40,700		
【2-10】(About50kmNorth)	Shinchi Town	Weed	Leaf vegetable	3/25 16:20	¹³¹ I	29,300	-	
					¹³⁷ Cs	12,500		

The government requests Fukushima Prefecture to gain the readings above.
 Boldface and underlined readings are corrected.

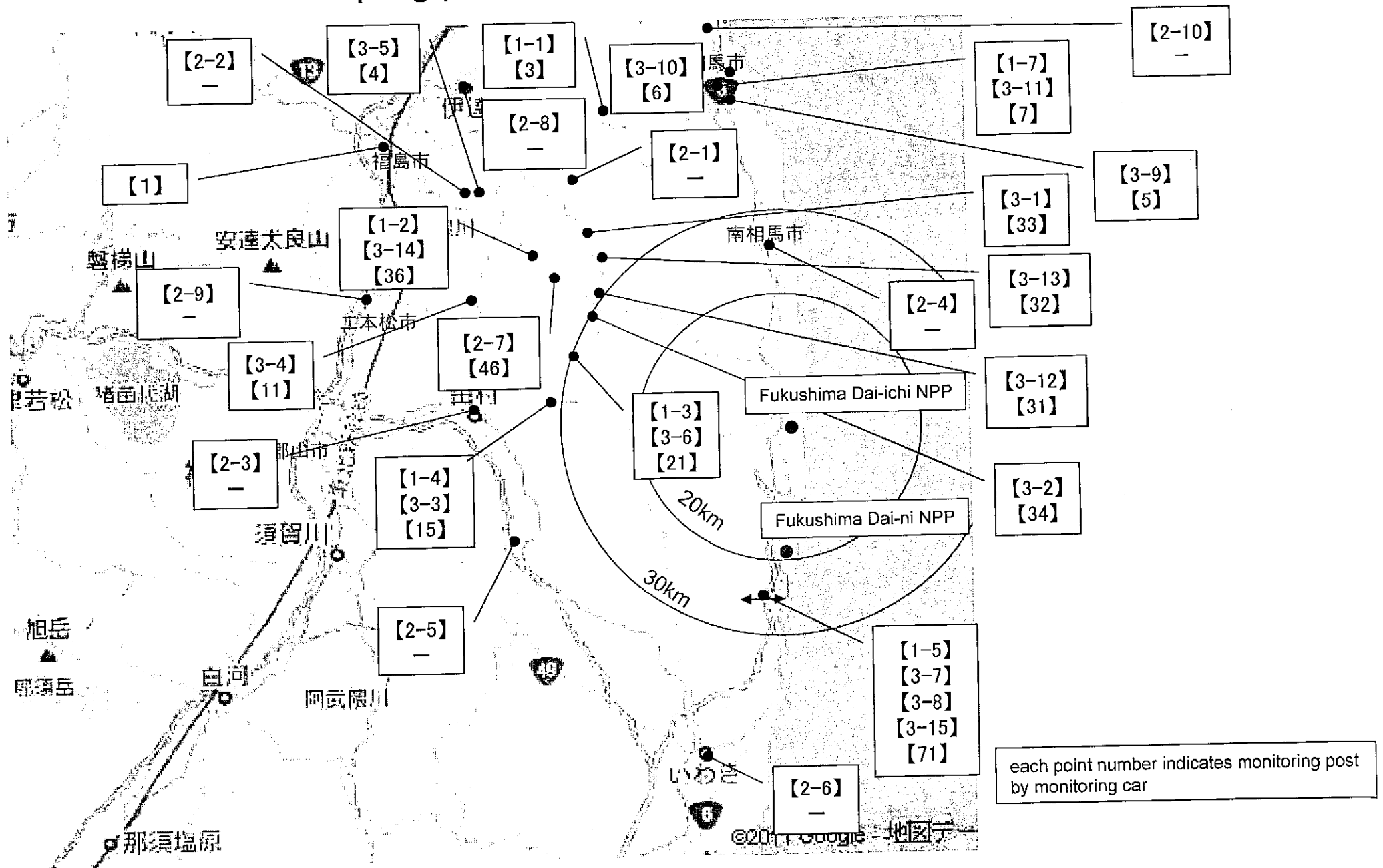
Readings of dust sampling

: the readings in this thick-frame box are new.

Sampling Point	Address of Sampling Point	Sample	Sort or Region	Sampling Time and Date	Nuclide	Radioactivity Concentration
【2-1】(About 40kmNorthWest)	Iitate Village	inland water	pond water	3/18 12:20	¹³¹ I	2,090
					¹³⁷ Cs	511
	Iitate Village	inland water	pond water	3/19 11:36	¹³¹ I	2,450
					¹³⁷ Cs	940
	Iitate Village	inland water	pond water	3/20 12:40	¹³¹ I	2,010
					¹³⁷ Cs	437
	Iitate Village	inland water	pond water	3/21 12:35	¹³¹ I	1,720
					¹³⁷ Cs	246
	Iitate Village	inland water	pond water	3/22 12:00	¹³¹ I	1,330
					¹³⁷ Cs	172
	Iitate Village	inland water	pond water	3/23 12:25	¹³¹ I	1,260
					¹³⁷ Cs	145
	Iitate Village	inland water	pond water	3/25 12:20	¹³¹ I	1,280
					¹³⁷ Cs	507
	Iitate Village	inland soil	soil	3/19 11:40	¹³¹ I	300,000
					¹³⁷ Cs	28,100
	Iitate Village	inland soil	soil	3/20 12:40	¹³¹ I	1,170,000
					¹³⁷ Cs	163,000
【2-2】(About 45kmNorthWest)	Kawamata Town	inland soil	soil	3/18 11:45	¹³¹ I	84,300
					¹³⁷ Cs	14,200
	Kawamata Town	inland soil	soil	3/19 11:00	¹³¹ I	85,400
					¹³⁷ Cs	8,690
	Kawamata Town	inland soil	soil	3/20 12:04	¹³¹ I	151,000
					¹³⁷ Cs	15,100
	Kawamata Town	inland soil	soil	3/21 12:10	¹³¹ I	157,000
					¹³⁷ Cs	16,500
	Kawamata Town	inland soil	soil	3/22 11:00	¹³¹ I	38,900
					¹³⁷ Cs	4,720
	Kawamata Town	inland soil	soil	3/23 11:30	¹³¹ I	44,800
					¹³⁷ Cs	6,010
	Kawamata Town	inland soil	soil	3/24 11:30	¹³¹ I	23,500
					¹³⁷ Cs	2,210
	Kawamata Town	inland soil	soil	3/25 15:05	¹³¹ I	112,000
					¹³⁷ Cs	21,800
【2-3】(About 40kmWest)	Tamura City	inland soil	soil	3/18 11:50	¹³¹ I	19,300
					¹³⁷ Cs	3,510
	Tamura City	inland soil	soil	3/19 11:35	¹³¹ I	6,970
					¹³⁷ Cs	1,260
	Tamura City	inland soil	soil	3/20 12:40	¹³¹ I	5,390
					¹³⁷ Cs	1,250
	Tamura City	inland soil	soil	3/21 12:30	¹³¹ I	3,000
					¹³⁷ Cs	390
	Tamura City	inland soil	soil	3/22 11:30	¹³¹ I	7,290
					¹³⁷ Cs	1,290
	Tamura City	inland soil	soil	3/23 11:50	¹³¹ I	7,290
					¹³⁷ Cs	1,290
	Tamura City	inland soil	soil	3/25 13:35	¹³¹ I	5,480
					¹³⁷ Cs	778

【2-4】(About 25kmNorth)	Minamisouma City	inland soil	soil	3/18 13:30	¹³¹ I	22,600
					¹³⁷ Cs	3,280
	Minamisouma City	inland soil	soil	3/19 13:00	¹³¹ I	35,800
					¹³⁷ Cs	4,040
	Minamisouma City	inland soil	soil	3/20 14:30	¹³¹ I	35,800
					¹³⁷ Cs	4,850
	Minamisouma City	inland soil	soil	3/21 14:07	¹³¹ I	83,200
					¹³⁷ Cs	8,660
	Minamisouma City	inland soil	soil	3/23 14:10	¹³¹ I	16,600
					¹³⁷ Cs	1,720
	Minamisouma City	inland soil	soil	3/25 14:20	¹³¹ I	2,480
					¹³⁷ Cs	189
【2-5】(About 40kmSouthWest)	Ono Town	inland soil	soil	3/18 12:30	¹³¹ I	8,170
					¹³⁷ Cs	2,260
	Ono Town	inland soil	soil	3/19 12:15	¹³¹ I	14,100
					¹³⁷ Cs	4,630
	Ono Town	inland soil	soil	3/20 13:50	¹³¹ I	10,300
					¹³⁷ Cs	3,020
	Ono Town	inland soil	soil	3/21 13:40	¹³¹ I	4,830
					¹³⁷ Cs	910
	Ono Town	inland soil	soil	3/22 11:40	¹³¹ I	3,220
					¹³⁷ Cs	466
	Ono Town	inland soil	soil	3/23 12:50	¹³¹ I	6,430
					¹³⁷ Cs	1,590
【2-6】(About 45kmSouth)	Ono Town	inland water	Rain Water	3/22 12:40	¹³¹ I	7,440
					¹³⁷ Cs	107
	Ono Town	inland water	Rain Water	3/25 11:38	¹³¹ I	3,000
					¹³⁷ Cs	800
	Iwaki City	inland soil	soil	3/19 13:15	¹³¹ I	12,600
					¹³⁷ Cs	288
	Iwaki City	inland soil	soil	3/20 15:17	¹³¹ I	14,600
					¹³⁷ Cs	460
	Iwaki City	inland soil	soil	3/21 15:10	¹³¹ I	30,700
					¹³⁷ Cs	1,220
	Iwaki City	inland soil	soil	3/22 13:50	¹³¹ I	1,960
					¹³⁷ Cs	1,290
【2-9】(About 45kmWestNorthWest)	Iwaki City	inland soil	soil	3/23 14:20	¹³¹ I	32,600
					¹³⁷ Cs	840
	Iwaki City	inland soil	soil	3/25 13:45	¹³¹ I	23,900
					¹³⁷ Cs	519
	Nihonmatsu City	inland soil	soil	3/25 11:35	¹³¹ I	32,900
					¹³⁷ Cs	9,330
	Date City	inland soil	soil	3/25 16:15	¹³¹ I	20,800
					¹³⁷ Cs	3,790
	Shinchi Town	inland soil	soil	3/25 16:20	¹³¹ I	2,690
					¹³⁷ Cs	213
The government requests Fukushima Prefecture to gain the readings above.						

Sampling points around Fukushima Dai-ichi NPP



2011.3.27 13:00

(μSv/h)

	Prefecture(City)	3/26															Usual Value Band
		9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	
1	Hokkaido(Sapporo)	0.028	0.028	0.028	0.028	0.027	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.02~0.105
2	Aomori(Aomori)	0.023	0.023	0.023	0.023	0.025	0.025	0.027	0.026	0.024	0.023	0.024	0.023	0.024	0.024	0.024	0.017~0.102
3	Iwate(Morioka)	0.030	0.030	0.030	0.030	0.029	0.030	0.037	0.032	0.029	0.028	0.028	0.028	0.028	0.028	0.028	0.014~0.084
4	Miyagi(Sendai)																0.0176~0.0513
5	Akita(Akita)	0.035	0.035	0.034	0.035	0.035	0.035	0.034	0.034	0.034	0.034	0.034	0.035	0.035	0.035	0.035	0.022~0.086
6	Yamagata(Yamagata)	0.073	0.072	0.071	0.072	0.072	0.071	0.071	0.071	0.072	0.071	0.071	0.072	0.072	0.072	0.072	0.025~0.082
7	Fukushima(Futaba)																0.037~0.071
8	Ibaraki(Mito)	0.264	0.262	0.262	0.260	0.260	0.259	0.258	0.257	0.256	0.255	0.255	0.255	0.254	0.254	0.253	0.036~0.056
9	Tochigi(Utsunomiya)	0.117	0.117	0.117	0.116	0.116	0.116	0.115	0.115	0.115	0.114	0.114	0.114	0.114	0.113	0.113	0.030~0.067
10	Gunma(Maebashi)	0.073	0.073	0.073	0.073	0.072	0.072	0.071	0.071	0.071	0.071	0.071	0.071	0.071	0.071	0.071	0.017~0.045
11	Saitama(Saitama)	0.102	0.101	0.101	0.101	0.101	0.100	0.100	0.099	0.099	0.099	0.099	0.099	0.099	0.099	0.099	0.031~0.060
12	Chiba(Ishihara)	0.085	0.085	0.084	0.084	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.082	0.082	0.082	0.022~0.044
13	Tokyo(Shinjyuku)	0.122	0.122	0.122	0.122	0.121	0.121	0.120	0.120	0.119	0.118	0.119	0.119	0.119	0.119	0.119	0.028~0.079
14	Kanagawa(Chigasaki)	0.083	0.083	0.082	0.082	0.082	0.082	0.082	0.082	0.081	0.081	0.081	0.081	0.081	0.081	0.081	0.035~0.069
15	Niigata(Niigata)	0.047	0.046	0.046	0.047	0.047	0.048	0.047	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.031~0.153
16	Toyama(Imizu)	0.048	0.048	0.049	0.049	0.048	0.047	0.047	0.047	0.047	0.047	0.053	0.050	0.047	0.047	0.051	0.029~0.147
17	Ishikawa(Kanazawa)	0.047	0.050	0.050	0.048	0.047	0.046	0.048	0.048	0.047	0.048	0.048	0.048	0.049	0.048	0.048	0.0291~0.1275
18	Fukui(Fukui)	0.046	0.048	0.046	0.045	0.045	0.045	0.045	0.046	0.046	0.046	0.050	0.048	0.047	0.046	0.047	0.032~0.097
19	Yamanashi(Kofu)	0.045	0.045	0.045	0.044	0.045	0.045	0.045	0.044	0.045	0.044	0.045	0.044	0.044	0.044	0.044	0.040~0.064
20	Nagano(Nagano)	0.048	0.048	0.049	0.048	0.048	0.048	0.048	0.048	0.049	0.049	0.048	0.048	0.048	0.047	0.047	0.0299~0.0974
21	Gifu(Kakamigahara)	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.061	0.060	0.060	0.060	0.060	0.057~0.110
22	Shizuoka(Shizuoka)	0.045	0.046	0.046	0.046	0.046	0.046	0.046	0.043	0.043	0.042	0.041	0.042	0.042	0.042	0.043	0.0281~0.0765
23	Aichi(Nagoya)	0.039	0.039	0.039	0.039	0.039	0.039	0.039	0.039	0.039	0.039	0.039	0.039	0.039	0.039	0.040	0.035~0.074
24	Mie(Yokkaichi)	0.046	0.045	0.046	0.047	0.047	0.047	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.0416~0.0789
25	Shiga(Otsu)	0.043	0.043	0.040	0.038	0.034	0.034	0.033	0.033	0.032	0.032	0.032	0.032	0.033	0.033	0.033	0.031~0.061
26	Kyoto(Kyoto)	0.043	0.039	0.038	0.039	0.039	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.033~0.087
27	Osaka(Osaka)	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.043	0.042~0.061
28	Hyogo(Kobe)	0.037	0.037	0.036	0.036	0.036	0.036	0.036	0.036	0.036	0.036	0.036	0.036	0.036	0.036	0.036	0.035~0.076
29	Nara(Nara)	0.048	0.047	0.047	0.047	0.047	0.047	0.048	0.047	0.047	0.047	0.047	0.047	0.048	0.048	0.048	0.046~0.08
30	Wakayama(Wakayama)	0.032	0.032	0.031	0.031	0.032	0.031	0.031	0.031	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.031~0.056
31	Tottori(Tohhaku)	0.063	0.063	0.063	0.063	0.063	0.063	0.066	0.064	0.069	0.067	0.067	0.071	0.070	0.067	0.070	0.036~0.11
32	Shimane(Matsue)	0.036	0.037	0.038	0.037	0.039	0.041	0.038	0.037	0.036	0.036	0.037	0.037	0.036	0.037	0.039	0.033~0.079
33	Okayama(Okayama)	0.049	0.048	0.049	0.049	0.048	0.049	0.049	0.048	0.049	0.048	0.048	0.049	0.049	0.049	0.049	0.043~0.104
34	Hiroshima(Hiroshima)	0.047	0.047	0.047	0.048	0.047	0.047	0.046	0.046	0.046	0.047	0.047	0.047	0.047	0.048	0.047	0.035~0.069
35	Yamaguchi(Yamaguchi)	0.100	0.104	0.097	0.095	0.096	0.094	0.092	0.091	0.090	0.090	0.091	0.092	0.092	0.092	0.092	0.084~0.128
36	Tokushima(Tokushima)	0.037	0.037	0.037	0.037	0.038	0.037	0.037	0.038	0.038	0.037	0.038	0.038	0.038	0.038	0.038	0.037~0.067
37	Kagawa(Takamatsu)	0.066	0.060	0.055	0.063	0.064	0.059	0.056	0.067	0.070	0.057	0.057	0.068	0.066	0.055	0.058	0.051~0.077
38	Ehime(Matsuyama)	0.047	0.047	0.047	0.047	0.048	0.047	0.047	0.048	0.048	0.048	0.048	0.048	0.049	0.049	0.049	0.045~0.074
39	Kochi(Kochi)	0.025	0.025	0.024	0.024	0.025	0.024	0.024	0.025	0.024	0.024	0.025	0.025	0.025	0.025	0.026	0.023~0.076
40	Fukuoka(Dazaifu)	0.038	0.037	0.036	0.036	0.036	0.036	0.036	0.036	0.036	0.036	0.036	0.036	0.036	0.037	0.037	0.034~0.079
41	Saga(Saga)	0.040	0.041	0.040	0.040	0.040	0.040	0.039	0.039	0.039	0.040	0.040	0.040	0.040	0.040	0.040	0.037~0.086
42	Nagasaki(Ohmura)	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.027~0.069
43	Kumamoto(Uto)	0.028	0.028	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.021~0.067
44	Oita(Oita)	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.049	0.050	0.049	0.050	0.050	0.048~0.085
45	Miyazaki(Miyazaki)	0.026	0.027	0.027	0.027	0.027	0.027	0.027	0.026	0.027	0.026	0.027	0.027	0.027	0.027	0.027	0.0243~0.0664
46	Kagoshima(Kagoshima)	0.034	0.034	0.034	0.034	0.034	0.034	0.034	0.034	0.034	0.034	0.034	0.034	0.034	0.034	0.034	0.0306~0.0943
47	Okinawa(Uruma)	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.0133~0.0575

*The figures in Miyagi are not measured because monitoring point has risk of collapsing. The monitoring result of Miyagi is available on the website of Miyagi Pref.

<http://www.pref.miyagi.jp/genta/Press/PressH230315.html>

*Refer to other title "Readings at Monitoring Post out of 20 Km Zone of Fukushima Dai-ichi NPP" for the datas in Fukushima. It could not be measured by Monitoring Post since the radiation level around it is so high.

*Blanks are caused by device maintenance, but the area was measured by Monitoring Posts.

*These figures are estimated as 1 μGy/h=1 μSv/h.

*The table was made by MEXT, based on the reports from prefectures.

Reading of environmental radioactivity level by prefecture

2011.3.27 13:00

(μSv/h)

	Prefecture(City)	3/27									Usual Value Band
		0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	
1	Hokkaido(Sapporo)	0.028	0.028	0.029	0.028	0.029	0.028	0.029	0.028	0.028	0.02~0.105
2	Aomori(Aomori)	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.017~0.102
3	Iwate(Morioka)	0.028	0.028	0.029	0.029	0.029	0.030	0.030	0.030	0.029	0.014~0.084
4	Miyagi(Sendai)										0.0176~0.0513
5	Akita(Akita)	0.038	0.040	0.037	0.036	0.036	0.042	0.041	0.036	0.035	0.022~0.086
6	Yamagata(Yamagata)	0.072	0.073	0.074	0.074	0.073	0.072	0.071	0.071	0.070	0.025~0.082
7	Fukushima(Futaba)										0.037~0.071
8	Ibaraki(Mito)	0.252	0.252	0.251	0.250	0.250	0.250	0.249	0.248	0.247	0.036~0.056
9	Tochigi(Utsunomiya)	0.113	0.113	0.113	0.113	0.112	0.112	0.112	0.112	0.111	0.030~0.067
10	Gunma(Maebashi)	0.070	0.070	0.070	0.070	0.070	0.070	0.069	0.069	0.068	0.017~0.045
11	Saitama(Saitama)	0.098	0.098	0.098	0.098	0.098	0.097	0.097	0.097	0.096	0.031~0.060
12	Chiba(Ishihara)	0.082	0.082	0.082	0.081	0.081	0.081	0.081	0.081	0.080	0.022~0.044
13	Tokyo(Shinjyuku)	0.118	0.118	0.118	0.117	0.117	0.117	0.117	0.118	0.117	0.028~0.079
14	Kanagawa(Chigasaki)	0.079	0.082	0.081	0.081	0.079	0.080	0.081	0.080	0.080	0.035~0.069
15	Niigata(Niigata)	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.031~0.153
16	Toyama(Imizu)	0.050	0.048	0.049	0.048	0.048	0.047	0.047	0.047	0.047	0.029~0.147
17	Ishikawa(Kanazawa)	0.050	0.051	0.049	0.048	0.049	0.049	0.048	0.047	0.047	0.0291~0.1275
18	Fukui(Fukui)	0.048	0.047	0.047	0.046	0.046	0.046	0.046	0.046	0.046	0.032~0.097
19	Yamanashi(Kofu)	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.040~0.064
20	Nagano(Nagano)	0.047	0.048	0.048	0.048	0.048	0.049	0.049	0.048	0.047	0.0298~0.0974
21	Gifu(Kakamigahara)	0.061	0.061	0.061	0.062	0.061	0.062	0.062	0.062	0.061	0.057~0.110
22	Shizuoka(Shizuoka)	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.042	0.0281~0.0765
23	Aichi(Nagoya)	0.040	0.040	0.040	0.040	0.041	0.041	0.041	0.041	0.041	0.035~0.074
24	Mie(Yokkaichi)	0.046	0.046	0.046	0.046	0.046	0.046	0.045	0.045	0.045	0.0416~0.0789
25	Shiga(Otsu)	0.033	0.033	0.033	0.033	0.033	0.034	0.034	0.033	0.033	0.031~0.061
26	Kyoto(Kyoto)	0.038	0.038	0.038	0.039	0.039	0.040	0.039	0.039	0.039	0.033~0.087
27	Osaka(Osaka)	0.043	0.042	0.042	0.043	0.043	0.043	0.043	0.043	0.043	0.042~0.061
28	Hyogo(Kobe)	0.036	0.036	0.037	0.037	0.037	0.037	0.037	0.037	0.036	0.035~0.076
29	Nara(Nara)	0.048	0.048	0.048	0.049	0.048	0.048	0.048	0.048	0.048	0.046~0.08
30	Wakayama(Wakayama)	0.032	0.033	0.033	0.033	0.033	0.033	0.034	0.033	0.033	0.031~0.056
31	Tottori(Tohhaku)	0.069	0.065	0.064	0.063	0.064	0.068	0.071	0.066	0.065	0.036~0.11
32	Shimane(Matsue)	0.038	0.038	0.039	0.039	0.039	0.039	0.039	0.039	0.038	0.033~0.079
33	Okayama(Okayama)	0.050	0.050	0.051	0.051	0.051	0.051	0.052	0.052	0.051	0.043~0.104
34	Hiroshima(Hiroshima)	0.048	0.048	0.049	0.050	0.050	0.050	0.051	0.051	0.050	0.035~0.069
35	Yamaguchi(Yamaguchi)	0.093	0.093	0.094	0.095	0.095	0.095	0.096	0.096	0.097	0.084~0.128
36	Iokushima(Tokushima)	0.038	0.038	0.038	0.039	0.039	0.039	0.039	0.039	0.038	0.037~0.067
37	Kagawa(Takamatsu)	0.070	0.065	0.055	0.063	0.073	0.060	0.057	0.065	0.066	0.051~0.077
38	Ehime(Matsuyama)	0.049	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.048	0.045~0.074
39	Kochi(Kochi)	0.026	0.028	0.026	0.027	0.027	0.028	0.028	0.028	0.026	0.023~0.076
40	Fukuoka(Dazaifu)	0.037	0.037	0.037	0.037	0.037	0.038	0.038	0.037	0.037	0.034~0.079
41	Saga(Saga)	0.040	0.041	0.041	0.041	0.041	0.042	0.041	0.041	0.041	0.037~0.086
42	Nagasaki(Ohmura)	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.027~0.069
43	Kumamoto(Uto)	0.027	0.027	0.028	0.028	0.028	0.029	0.030	0.030	0.016	0.021~0.067
44	Oita(Oita)	0.050	0.050	0.051	0.051	0.051	0.051	0.051	0.052	0.052	0.048~0.085
45	Miyazaki(Miyazaki)	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.0243~0.0664
46	Kagoshima(Kagoshima)	0.035	0.035	0.035	0.034	0.034	0.034	0.035	0.035	0.034	0.0306~0.0943
47	Okinawa(Uruma)	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.0133~0.0575

*The figures in Miyagi are not measured because monitoring point has risk of collapsing. The monitoring result of Miyagi is available on the webs <http://www.pref.miyagi.jp/gentai/Press/PressH230315.html>

*Refer to other title "Readings at Monitoring Post out of 20 Km Zone of Fukushima Dai-ichi NPP" for the datas in Fukushima. It could not be re

*Blanks are caused by device maintenance, but the area was measured by Monitoring Posts.

*These figures are estimated as 1 μGy/h=1 μSv/h.

*The table was made by MEXT, based on the reports from prefectures

Monitoring data at Ibaraki prefecture

MEXT

2011/3/27 13:00

μ Sv/h

Date and Time	JAEA nuclear science research institute (Tokai-village in Ibaraki- prefecture)	JAEA Nuclear fuel cycle engineering laboratory (Tokai-village in Ibaraki- prefecture)	Yayoi in Tokyo University (Tokai-village in Ibaraki- prefecture)
3/26			
0:00	2.02	1.20	1.73
1:00	2.02	1.20	1.73
2:00	2.02	1.20	1.74
3:00	2.01	1.20	1.86
4:00	2.01	1.20	1.73
5:00	2.00	1.20	1.69
6:00	2.00	1.20	1.82
7:00	1.99	1.20	1.66
8:00	1.99	1.20	1.74
9:00	1.98	1.20	1.79
10:00	1.98	1.20	1.76
11:00	1.96	1.20	1.69
12:00	1.96	1.20	1.81
13:00	1.95	1.20	1.75
14:00	1.93	1.20	1.63
15:00	1.93	1.20	1.71
16:00	1.92	1.20	1.63
17:00	1.92	1.20	1.74
18:00	1.91	1.20	1.65
19:00	1.90	1.20	1.63
20:00	1.90	1.20	1.70
21:00	1.90	1.20	1.73
22:00	1.89	1.20	1.70
23:00	1.89	1.20	1.57
3/27			
0:00	1.89	1.20	1.74
1:00	1.88	1.10	1.67
2:00	1.88	1.10	1.62
3:00	1.87	1.10	1.64
4:00	1.88	1.10	1.65
5:00	1.87	1.10	1.60
6:00	1.86	1.10	1.68
7:00	1.87	1.10	1.64
8:00	1.86	1.10	1.61
9:00	1.85	1.10	1.61
10:00	1.84	1.10	
11:00	1.83	1.10	
12:00	1.83	1.10	

※The readings are measured once every hour from March 24th.

The readings of JAEA nuclear science research institute and JAEA Nuclear fuel cycle engineering laboratory are

JAEA nuclear science research institute

<http://erms.jaea.go.jp/Chart.htm>

JAEA Nuclear fuel cycle engineering laboratory

http://www.jaea.go.jp/04/ztokai/kankyo/realtime/tbl_10mStPo01.html

2011.3.27 13:00

(Bq/kg)

	Prefecture (City)	Drinking Water		Remarks
		I-131	Cs-134, Cs-137	
1	Hokkaido (Sapporo City)	Not Detectable	Not Detectable	
2	Aomori (Aomori City)	Not Detectable	Not Detectable	
3	Iwate (Morioka City)	Not Detectable	Not Detectable	
4	Miyagi	-	-	Not be measured because of the earthquake disaster damage
5	Akita (Akita City)	0.42 (Under the reference value* ³)	Not Detectable	
6	Yamagata (Yamagata City)	Not Detectable	Not Detectable	
7	Fukushima	-	-	*Refer to the website of Fukushima Pref (http://www.pref.fukushima.jp/j/in dex.htm)
8	Ibaraki	42 (Under the reference value* ³)	Not Detectable	
9	Tochigi (Utsunomiya City)	18 (Under the reference value* ³)	6.0 (Under the reference value* ³)	
10	Gunma (Maebashi City)	6.3 (Under the reference value* ³)	0.47 (Under the reference value* ³)	
11	Saitama (Saitama City)	37 (Under the reference value* ³)	0.79 (Under the reference value* ³)	
12	Chiba (Ichihara City)	9.0 (Under the reference value* ³)	0.32 (Under the reference value* ³)	
13	Tokyo (Shinjuku Ward)	37 (Under the reference value* ³)	1.8 (Under the reference value* ³)	
14	Kanagawa (Chigasaki City)	7.4 (Under the reference value* ³)	Not Detectable	
15	Niigata (Niigata City)	5.7 (Under the reference value* ³)	Not Detectable	
16	Toyama (Imizu City)	Not Detectable	Not Detectable	
17	Ishikawa (Kanazawa City)	Not Detectable	Not Detectable	
18	Fukui (Fukui City)	Not Detectable	Not Detectable	
19	Yamanashi (Kofu City)	Not Detectable	Not Detectable	
20	Nagano (Nagano City)	Not Detectable	Not Detectable	
21	Gifu (Kakunigahara City)	Not Detectable	Not Detectable	Fukui prefecture sampled and Fukushima prefecture measured it.
22	Shizuoka (Shizuoka City)	Not Detectable	Not Detectable	
23	Aichi (Nagoya City)	Not Detectable	Not Detectable	
24	Mie (Yokkaichi City)	Not Detectable	Not Detectable	
25	Shiga (Otsu City)	Not Detectable	Not Detectable	
26	Kyoto (Kyoto City)	Not Detectable	Not Detectable	
27	Osaka (Osaka City)	Not Detectable	Not Detectable	
28	Hyogo (Kobe City)	Not Detectable	Not Detectable	
29	Nara	Not Detectable	Not Detectable	
30	Wakayama (Wakayama City)	Not Detectable	Not Detectable	
31	Tottori (Tottori District)	Not Detectable	Not Detectable	
32	Shimane (Matsue City)	Not Detectable	Not Detectable	
33	Okayama (Okayama City)	Not Detectable	Not Detectable	
34	Hiroshima (Hiroshima City)	Not Detectable	Not Detectable	
35	Yamaguchi (Ube City)	Not Detectable	Not Detectable	
36	Tokushima (Tokushima City)	Not Detectable	Not Detectable	
37	Kagawa (Takamatsu City)	Not Detectable	Not Detectable	
38	Ehime (Yawatahama City)	Not Detectable	Not Detectable	
39	Kochi (Kochi City)	Not Detectable	Not Detectable	
40	Fukuoka (Dazaifu City)	Not Detectable	Not Detectable	
41	Saga (Saga City)	Not Detectable	Not Detectable	
42	Nagasaki (Omura City)	Not Detectable	Not Detectable	
43	Kumamoto (Uto City)	Not Detectable	Not Detectable	
44	Oita (Oita City)	-	-	On Setting up the equipment
45	Miyazaki (Miyazaki City)	Not Detectable	Not Detectable	
46	Kagoshima (Kagoshima City)	Not Detectable	Not Detectable	
47	Okinawa (Naha City)	Not Detectable	Not Detectable	

*¹These figures are estimated as 1Bq/liter = 1Bq/kg*²The table was made by MEXT, based on the reports from prefectures.*³"Emergency Preparedness for Nuclear Facilities (The Nuclear Safety Commission of Japan)", The index of drinking water based on the indicator about the restriction of food intake, I-131: More than 300Bq/kg, Cs-137: More than 200Bq/kg

Reading of environmental radioactivity level by prefecture[Fallout]
(3.25.9AM~3.26.9AM)

2011/3/26 19:00

(MBq/km2)

	Prefecture	Fallout		
		I-131	Cs-137	Remarks
1	Hokkaido(Sapporo)	Not Detectable	Not Detectable	
2	Aomori(Aomori)	Not Detectable	Not Detectable	
3	Iwate(Morioka)	190	2.5	
4	Miyagi	-	-	Not be measured because of the earthquake disaster damage
5	Akita(Akita)	2.2	Not Detectable	
6	Yamagata(Yamagata)	7,500	1,200	
7	Fukushima	-	-	Not be measured because of dealing with the earthquake disaster
8	Ibaraki(Hitachinaka)	860	160	
9	Tochigi(Utsunomiya)	670	63	
10	Gunma(Maebashi)	37	Not Detectable	
11	Saitama(Saitama)	91	16	
12	Chiba(Ichihara)	320	86	
13	Tokyo(Shinjuku)	220	12	
14	Kanagawa(Chigasaki)	28	14	
15	Niigata(Niigata)	Not Detectable	Not Detectable	
16	Toyama(Imizu)	Not Detectable	Not Detectable	
17	Ishikawa(Kanazawa)	Not Detectable	Not Detectable	
18	Fukui(Fukui)	Not Detectable	Not Detectable	
19	Yamanashi(Kofu)	Not Detectable	10	
20	Ngano(Nagano)	Not Detectable	Not Detectable	
21	Gifu(Kakamigahara)	-	-	On Setting up the equipment
22	Shizuoka(Omaezaki)	Not Detectable	Not Detectable	
23	Aichi(Nagoya)	Not Detectable	Not Detectable	
24	Mie(Yokkaichi)	Not Detectable	Not Detectable	
25	Shiga(Otsu)	Not Detectable	Not Detectable	
26	Kyoto(Kyoto)	Not Detectable	Not Detectable	
27	Osaka(Osaka)	Not Detectable	Not Detectable	
28	Hyogo(Kobe)	Not Detectable	Not Detectable	
29	Nara(Nara)	Not Detectable	Not Detectable	
30	Wakayama(Wakayama)	Not Detectable	Not Detectable	
31	Tottori(Tohhaku)	Not Detectable	Not Detectable	
32	Shimane(Matsue)	1.3	Not Detectable	
33	Okayama(Okayama)	Not Detectable	Not Detectable	
34	Hiroshima(Hiroshima)	Not Detectable	Not Detectable	
35	Yamaguchi(Yamaguchi)	Not Detectable	Not Detectable	
36	Tokushima(Tokushima)	Not Detectable	Not Detectable	
37	Kagawa(Takamatsu)	Not Detectable	Not Detectable	
38	Ehime(Yawatahama)	Not Detectable	Not Detectable	
39	Kochi(Kochi)	Not Detectable	Not Detectable	
40	Fukuoka(Dazaifu)	Not Detectable	Not Detectable	
41	Saga(Saga)	Not Detectable	Not Detectable	
42	Nagasaki(Ohmura)	Not Detectable	Not Detectable	
43	Kumamoto(Uto)	Not Detectable	Not Detectable	
44	Oita(Oita)	-	-	On Setting up the equipment
45	Miyazaki(Miyazaki)	Not Detectable	Not Detectable	
46	Kagoshima(Kagoshima)	Not Detectable	Not Detectable	
47	Okinawa(Nanjo)	Not Detectable	Not Detectable	

*The table was made by MEXT, based on the reports from prefectures

March 21st, 2011
Ministry of Education, Culture,
Sports, Science and Technology

Enhanced Local Monitoring Program in the Area
farther than 20 km around Fukushima Dai-ichi NPP

1. Objectives

- To achieve a more effective and efficient local monitoring program in the area farther than 20 km around Fukushima Dai-ichi NPP, in response to the accident at Fukushima #1 NPP

2. Basic Policies

(1) Gamma-ray dose rate

① Mobile monitoring

- Continuous survey to cover wider areas with higher concentration of radioactive materials while decreasing the frequency of measurements at current fixed points

② Increase in fixed measurement points using personal dosimeters

(2) Analyses of radioactive concentration

① Air, surface, and soil sampling

- Prioritized sampling in the areas with higher gamma-ray dose rate

② Beta-emitter nuclide analyses

- Further analyses of radiation level of ⁹⁰Sr for the samples with higher content of radioactive iodine and cesium

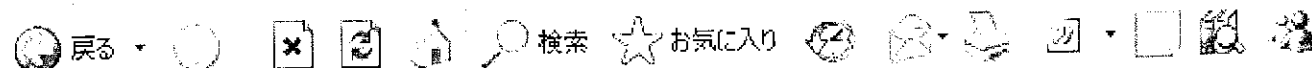
(3) Aerial Survey

- Aerial survey of surface contaminations by aerial survey systems loaded on SDF helicopters will be done as soon as possible

MEXT Homepage

MEXT : Reading of environmental radioactivity level (English version) - Microsoft Internet Explorer

ファイル(F) 編集(E) 表示(V) お気に入り(A) ツール(T) ヘルプ(H)



アドレス(D) http://www.mext.go.jp/english/radioactivity_level/detail/1303962.htm

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HOME > Reading of environmental radioactivity level(English,Chinese and Korean version) > Reading of environmental radioactivity level (English version)

Reading of environmental radioactivity level (English version)

(English version) Monitoring Plan in the Area

- [Enhanced Local Monitoring Program in the Area farther than 20 km around Fukushima Dai-ichi NPP \(PDF:54KB\)](#)
- [Sea Area Monitoring Action Plan \(PDF:112KB\)](#)

(English version) Reading of environmental radioactivity level by prefecture

- [13:00 Mar 23, 2011 \(PDF:142KB\)](#)
- [Monitoring data at Ibaraki prefecture\(13:00 Mar 23, 2011\) \(PDF:122KB\)](#)
- [19:00 Mar 22, 2011 \(PDF:135KB\)](#)
- [Monitoring data at Ibaraki prefecture\(19:00 Mar 22, 2011\) \(PDF:121KB\)](#)
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- [Monitoring data at Ibaraki prefecture\(13:00 Mar 22, 2011\) \(PDF:122KB\)](#)
- [19:00 Mar 21, 2011 \(PDF:136KB\)](#)
- [Monitoring data at Ibaraki prefecture\(19:00 Mar 21, 2011\) \(PDF:120KB\)](#)
- [13:00 Mar 21, 2011 \(PDF:426KB\)](#)

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MEXT - Reading of environmental radioactivity level by prefecture, Time series data(Graph) (Eng) - Microsoft Internet Explorer

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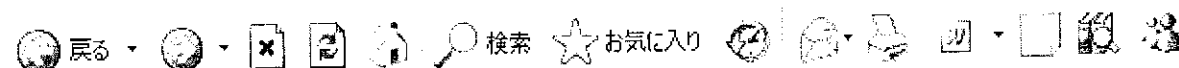
Reading of environmental radioactivity level by prefecture, Time series data (Graph) (English version)

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MEXT : Reading of environmental radioactivity level(English,Chinese and Korean version) - Microsoft Internet Explorer

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アドレス(D) http://www.mext.go.jp/english/radioactivity_level/index.htm

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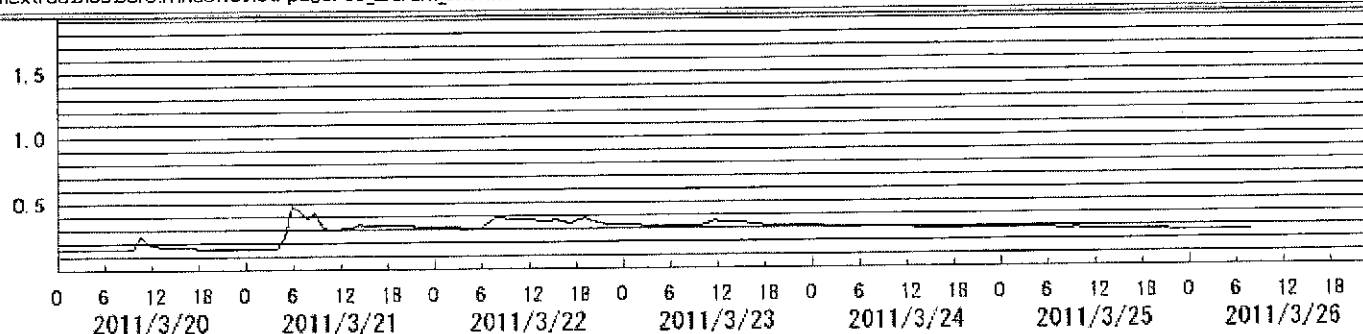
Reading of environmental radioactivity level by prefecture, Time series data (Ibaraki)

http://mextrad.blob.core.windows.net/page/08_Ibaraki_en.html - Microsoft Internet Explorer

ファイル(E) 編集(E) 表示(V) お気に入り(A) ツール(T) ヘルプ(H)

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アドレス(D) http://mextrad.blob.core.windows.net/page/08_Ibaraki_en.html



Range of past usual figures: 0.036 ~ 0.056

5 μ Sv is the figure that a Nuclear Emergency Preparedness Manager should notify the competent minister, etc.
based on Act on Special Measures Concerning Nuclear Emergency Preparedness.

These figures are estimated as 1 μ Gy/h=1 μ Sv/h

Based on "Reading of environmental radioactivity
level by prefecture" collected by MEXT

Recent Data: Latest

Reading of radioactivity level in drinking water by prefecture.

collected date	(Bq/kg)	
	I-131	Cs-137
2011/03/25	78	Not Detectable
2011/03/24	2.2	1.1
2011/03/23	24	3.3
2011/03/22	12	4.8
2011/03/21	68	18

- These data are estimated as 1Bq/liter = 1Bq/kg.
- The table was made by MEXT, based on the reports from prefectures.
- "Emergency Preparedness for Nuclear Facilities(The Nuclear Safety Commission of Japan)", The index of drinking water based on the indicator about the restriction of food intake, I-131:More than 300Bq/kg, Cs-137:More than 200Bq/kg.

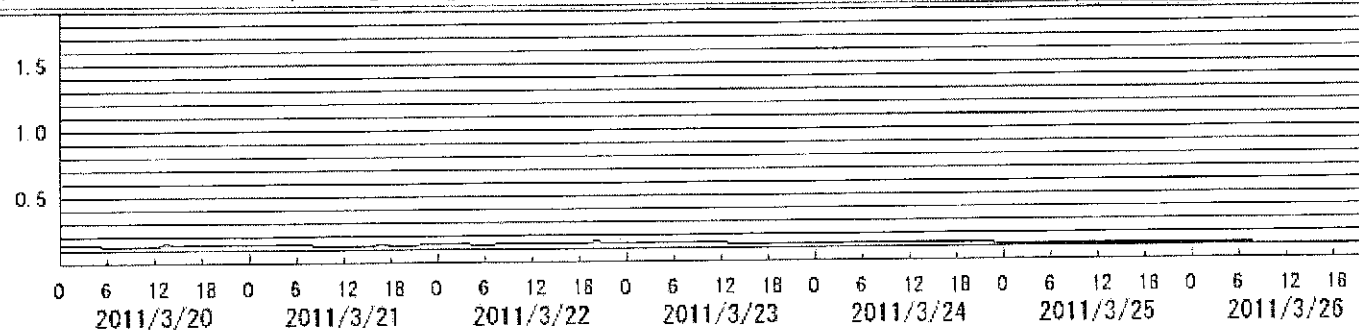
Reading of environmental radioactivity level by prefecture, Time series data (Tochigi)

http://mextrad.blob.core.windows.net/page/09_Tochigi_en.html - Microsoft Internet Explorer

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アドレス(D) http://mextrad.blob.core.windows.net/page/09_Tochigi_en.html



5 μ Sv is the figure that a Nuclear Emergency Preparedness Manager should notify the competent minister, etc.
based on Act on Special Measures Concerning Nuclear Emergency Preparedness.

These figures are estimated as 1 μ Gy/h=1 μ Sv/h

Based on "Reading of environmental radioactivity level by prefecture" collected by MEXT

Recent Data: Latest

Reading of radioactivity level in drinking water by prefecture.

(Bq/kg)		
collected date	I-131	Cs-137
2011/03/25	36	7.6
2011/03/24	110	9.3
2011/03/23	56	9.3
2011/03/22	15	5.3
2011/03/21	13	6

- These data are estimated as 1 Bq/liter = 1 Bq/kg.
- The table was made by MEXT, based on the reports from prefectures.
- "Emergency Preparedness for Nuclear Facilities(The Nuclear Safety Commission of Japan)", The index of drinking water based on the indicator about the restriction of food intake, I-131: More than 300 Bq/kg, Cs-137: More than 200 Bq/kg.

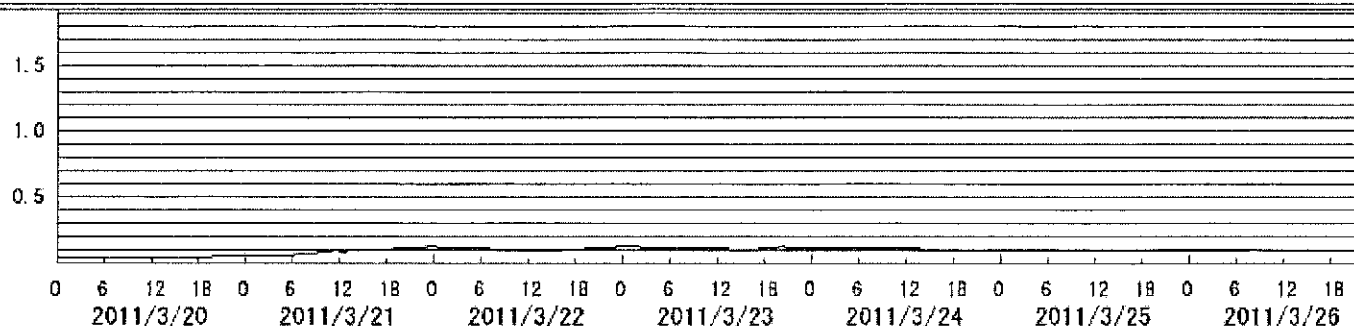
Reading of environmental radioactivity level by prefecture, Time series data (Saitama)

http://mextrad.blob.core.windows.net/page/11_Saitama_en.html - Microsoft Internet Explorer

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アドレス(D) http://mextrad.blob.core.windows.net/page/11_Saitama_en.html



5 μ Sv is the figure that a Nuclear Emergency Preparedness Manager should notify the competent minister, etc.
based on Act on Special Measures Concerning Nuclear Emergency Preparedness.

These figures are estimated as 1 μ Bq/h=1 μ Sv/h

Based on "Reading of environmental radioactivity level by prefecture" collected by MEXT

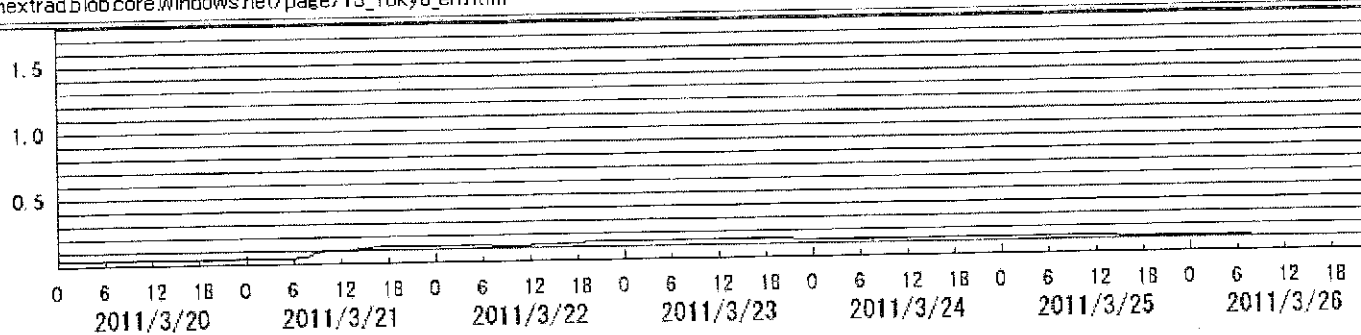
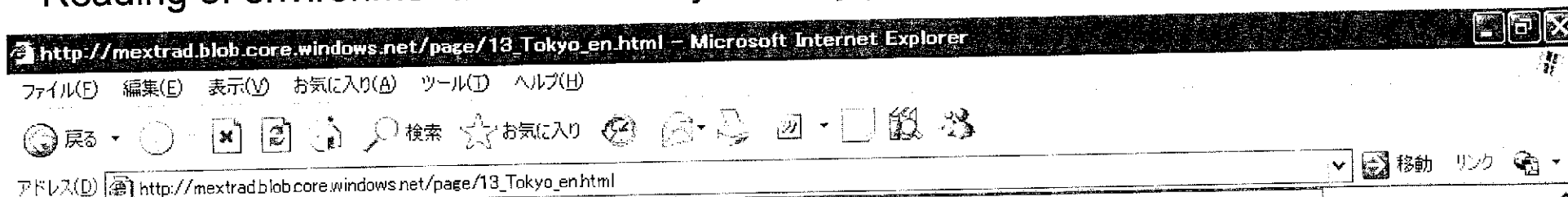
Recent Data: Latest

Reading of radioactivity level in drinking water by prefecture.

(Bq/kg)		
collected date	I-131	Cs-137
2011/03/25	24	1
2011/03/24	18	0.82
2011/03/23	12	0.32
2011/03/22	9.2	Not Detectable
2011/03/21	3.4	Not Detectable

- These data are estimated as 1 Bq/liter = 1 Bq/kg.
- The table was made by MEXT, based on the reports from prefectures.
- "Emergency Preparedness for Nuclear Facilities(The Nuclear Safety Commission of Japan)", The index of drinking water based on the indicator about the restriction of food intake, I-131: More than 300 Bq/kg, Cs-137: More than 200 Bq/kg.

Reading of environmental radioactivity level by prefecture, Time series data (Tokyo)



Range of past usual figures: 0.028 ~ 0.079

5 μ Sv is the figure that a Nuclear Emergency Preparedness Manager should notify the competent minister, etc.
based on Act on Special Measures Concerning Nuclear Emergency Preparedness.

These figures are estimated as 1 μ Gy/h=1 μ Sv/h

Based on "Reading of environmental radioactivity level by prefecture" collected by MEXT

Recent Data: Latest

Reading of radioactivity level in drinking water by prefecture.

collected date	(Bq/kg)	
	I-131	Cs-137
2011/03/25	32	2.1
2011/03/24	25.6	2.4
2011/03/23	26	1.5
2011/03/22	19	0.31
2011/03/21	5.3	0.22

- These data are estimated as 1Bq/liter = 1Bq/kg.
- The table was made by MEXT, based on the reports from prefectures.
- "Emergency Preparedness for Nuclear Facilities(The Nuclear Safety Commission of Japan)", The index of drinking water based on the indicator about the restriction of food intake, I-131:More than 300Bq/kg, Cs-137:More than 200Bq/kg.