Information on the 2011 Tohoku-Pacific Ocean Earthquake (Report #602)

— Radiation Measurement Results —

There are the most recent radiation measurement results. This time is also within normal range.

【Atmospheric radiation】

○Constantly surveyed at a monitoring post (rise 21.8m from the ground)

Measurement time		Radiation level (microsievert/hr.)	
March 29	17:00～18:00	0.054	
	18:00～19:00	0.054	
	19:00～20:00	0.054	
	20:00～21:00	0.055	
	21:00～22:00	0.055	
	22:00～23:00	0.055	
	23:00～24:00	0.056	Average 0.056
March 30	0:00～ 1:00	0.057	
	1:00～ 2:00	0.057	Minimum 0.054
	2:00～ 3:00	0.057	
	3:00～ 4:00	0.056	Maximum 0.057
	4:00～ 5:00	0.057	
	5:00～ 6:00	0.057	
	6:00～ 7:00	0.057	
	7:00～ 8:00	0.057	
	8:00～ 9:00	0.056	

○ Past measurement data

【Atmospheric radiation】

Regular amount of radiation from previous fiscal year (2009)

Radiation (microsievert/hr.)		
Average	Minimum	Maximum
0.053	0.051	0.077

【Fallout】

Regular amount of fallout from previous fiscal year (2009)

	Cesium−137 (megabecquerel /km^2)	iodine−131 (megabecquerel/km^2)
Radiation density	N.D (Not Detected)	N.D (Not Detected)

【Tap Water】

Regular amount of radiation from previous fiscal year (2009)

	Cesium−137 (becquerel /kg)	iodine−131 (becquerel /kg)
Radiation Density	N.D (Not Detected)	N.D (Not Detected)

(Notes)

○Measurement organization and location

Kagawa Prefectural Research Institute for Environmental Sciences and Pubic Health (Asahimachi, Takamatsu)

○Measurement results

【Atmospheric radiation】

Radiation level is calculated in terms of dose.

Radiation level (Microsievert/hr.)

=Space/radiation rate (nanogray/hr.)÷1000 x conversion factor(1)

○Radiation Units

Sievert (Sv) : Unit of radiation affecting the human body

Gray (Gy) : Unit of energy received from radiation

Becquerel (Bq) : Unit which measures the strength of the radioactivity produced by radioactive materials

micro (μ) : 1/1,000,000 (10^{-6})

nano (n) : 1/1,000,000,000 (10^{-9})

mega (M) : 1,000,000 (10^{6})

○ Data recorded after the earthquake

【Atmospheric radiation】

Data of this month

Measurement time	Radiation level (Microsievert/hr.)		
	Average	Minimum	Maximum
February 29 17:00～ March 1 17:00	0.054	0.054	0.055
March 1 17:00～ March 2 17:00	0.055	0.054	0.059
March 2 17:00～ March 3 17:00	0.054	0.053	0.054
March 3 17:00～ March 4 17:00	0.055	0.054	0.057
March 4 17:00～ March 5 17:00	0.059	0.054	0.066
March 5 17:00～ March 6 17:00	0.056	0.054	0.059
March 6 17:00～ March 7 17:00	0.054	0.054	0.055
March 7 17:00～ March 8 17:00	0.055	0.054	0.056
March 8 17:00～ March 9 17:00	0.057	0.054	0.061
March 9 17:00～ March 10 17:00	0.054	0.054	0.055
March 10 17:00～ March 11 17:00	0.055	0.054	0.061
March 11 17:00～ March 12 17:00	0.055	0.054	0.056
March 12 17:00～ March 13 17:00	0.055	0.054	0.056
March 13 17:00～ March 14 17:00	0.055	0.053	0.057
March 14 17:00～ March 15 17:00	0.055	0.054	0.056
March 15 17:00～ March 16 17:00	0.054	0.054	0.055
March 16 17:00～ March 17 17:00	0.057	0.054	0.061
March 17 17:00～ March 18 17:00	0.055	0.054	0.059
March 18 17:00～ March 19 17:00	0.054	0.053	0.055
March 19 17:00～ March 20 17:00	0.055	0.054	0.057
March 20 17:00～ March 21 17:00	0.054	0.054	0.055
March 21 17:00～ March 22 17:00	0.055	0.054	0.057
March 22 17:00～ March 23 17:00	0.057	0.054	0.062
March 23 17:00～ March 24 17:00	0.059	0.054	0.076
March 24 17:00～ March 25 17:00	0.055	0.054	0.057
March 25 17:00～ March 26 17:00	0.054	0.054	0.055
March 26 17:00～ March 27 17:00	0.055	0.054	0.056
March 27 17:00～ March 28 17:00	0.054	0.054	0.055
March 28 17:00～ March 29 17:00	0.055	0.054	0.057

Monthly data since the first survey until the last month

○Constantly surveyed at a monitoring post (rise 21.8m from the ground)

Measurement time	Radiation level (Microsievert/hr.)		
	Average	Minimum	Maximum
March 12 9:00～March 31 24:00	0.056	0.051	0.073
April 1 0:00～April 30 24:00	0.060	0.052	0.079
May 1 0:00～May 31 24:00	0.057	0.051	0.088
June 1 0:00～June 30 24:00	0.053	0.050	0.070
July 1 0:00～July 31 24:00	0.053	0.050	0.073
August 1 0:00～August 31 24:00	0.053	0.051	0.063
September 1 0:00～September 30 24:00	0.053	0.051	0.065
October 1 0:00～October 31 24:00	0.053	0.051	0.073
November 1 0:00～November 30 24:00	0.055	0.052	0.073
December 1 0:00～December 31 24:00	0.055	0.053	0.070
January 1 0:00～January 31 24:00	0.055	0.053	0.064
February 1 0:00～February 29 24:00	0.055	0.052	0.068

○Measurement results surveyed by a surveymator (rise 1.0m from the ground)

Measurement time (※Basically surveyed at 10 a.m.)	Radiation level (Microsievert/hr.)		
	Average	Minimum	Maximum
June 24 ～ June 30	0.058	0.055	0.059
July 1 ～ July 31	0.059	0.053	0.069
August 1 ～ August 31	0.060	0.057	0.069
September 1 ～ September 30	0.059	0.057	0.063
October 1 ～ October 31	0.061	0.057	0.069
November 1 ～ November 30	0.062	0.059	0.065
December 1 ～ December 28	0.061	0.051	0.067