

Summary of Marine Soil Monitoring Result : Fukushima Daiichi Nuclear Power Station (YY/MM)

	Place No.	Place of Sampling	Date of Sampling YY/MM/DD /Time	Dry Soil Rate (%)		
					Cs-134 [Approx. 2years]	Cs-137 [Approx. 30 years]
Coast	T-1	North of Discharge Channel of 5-6U of 1F				
	T-2-1	Around South Discharge Channel of 1F **1				
	T-3	Around North Discharge Channel of 2F				
	T-4-1	Around the North Side of Asamigawa **2				
Within 20km Range of Fukushima Daiichi NPS	T-14	3km Offshore of Odaka Ward				
	T-11	3km Offshore of Iwasawa Shore				
	T-D1	3km Offshore of Ukedo River				
	T-D5	3km Offshore of 1F				
	T-D9	3km Offshore of 2F				
	T-5	15km Offshore of 1F				
	T-①	1km Offshore of Murakami, Odaka Ward				
	T-②	2km Offshore of Murakami, Odaka Ward				
	T-③	1km Offshore of Ukedo, Namie Town				
	T-④	2km Offshore of Ukedo, Namie Town				
	T-⑤	3km Offshore of Ukedo, Namie Town				
	T-⑥	1km Offshore of Kumagawa, Okuma Town				
	T-⑦	2km Offshore of Kumagawa, Okuma Town				
	T-⑧	3km Offshore of Kumagawa, Okuma Town				
	T-⑨	5km Offshore of Kumagawa, Okuma Town				
	T-⑩	10km Offshore of Kumagawa, Okuma Town				
	T-⑪	15km Offshore of Kumagawa, Okuma Town				
	T-⑫	20km Offshore of Kumagawa, Okuma Town				
	T-⑬	1km Offshore of Yamadahama, Naraha Town				
	T-S1	Around 1km Offshore of Ota River				
	T-S2	Around 3km Offshore of Odaka Ward				
	T-S3	Around 3km Offshore of Ukedo River				
	T-S4	Around 3km Offshore of 1F				
	T-S5	Around 2km Offshore of Kido River				
	T-S7	Around 2km Offshore of 2F **3				
	T-S8	Around 4km Offshore of Kumagawa **4				
	T-B1	Around 15km Offshore of Odaka Ward *1				
	T-B2	Around 18km Offshore of Ukedo River *1				
T-B3	Around 10km Offshore of 1F					
T-B4	Around 10km Offshore of 2F					
Within 30km Range	T-13-1	1km Offshore of Nida River				
	T-7	15km Offshore of Iwasawa Shore				
Out of 30km Range	T-18	3km Offshore of Onahama Port				
	T-12	3km offshore of North of Iwaki City				
	T-17-1	1km Offshore of Natsui River				
	T-20	3km Offshore of Toyoma				
	T-22	3km Offshore of Soma				
	T-MA	5km Offshore of Kashima				
	T-M10	5km Offshore of Numanouchi				

\* Data of other nuclides is under evaluation.

\* "ND" indicates that the measurement result is below the detection limit.

\* 1F: Fukushima Daiichi Nuclear Power Station, 2F: Fukushima Daini Nuclear Power Station

\* The half-life of each nuclide is provided in parentheses.

\*\*1 Place of Sampling was changed from "T-2" to "T-2-1" from November.

\*\*2 Place of Sampling was changed from "T-4" to "T-4-2" from October.

\*\*3 "T-S7" is added from May 2012.

\*\*4 "T-S8" is added from July 2012.

\*1 The samples obtained at "T-1" and "T-2-1" have been measured after drying process since April 2014.

## Nuclides Analysis Result of Radioactive Materials in the Marine Soil

Place of Sampling	1F, North of Unit 5-6 Discharge Channel	1F, Around South Discharge Channel
Date of Sampling	YY/MM/DD	YY/MM/DD
Detected Nuclides (Half-life)	Density of Sample (Unit: Bq/kg, Dry Soil)	
I-131 (Approx. 8 days)		
Cs-134 (Approx. 2 years)		
Cs-137 (Approx. 30 years)		
Sr-89 (Approx. 51 days)		
Sr-90 (Approx. 29 years)		
Range of Past Measurement Values in the Sea Area Near 1F and 2F (2001-2008): 0.17 Bq/kg, Dry Soil Source: "2009 Report on the Result of Radioactivity Measurement around Nuclear Power Plant (Fukushima Nuclear Power Station Coordinating Committee for Safety Technology)		

\* Radioactivity Density "—" means "not applicable".

\* Nuclide analysis results of I-131, Cs-134, Cs-137 were announced on MM/DD

\* When the measurement value is below the detection limit, "ND" is marked.

\* Nuclides analysis of Sr-89 and Sr-90 were done by KAKEN Inc..

(Evaluation)

## Analysis Result of Pu in the Marine Soil

(Data summarized on MM/DD)

1. Measurement Result:

(Unit: Bq/kg·dry soil)

Place of Sampling	Date	Pu-238	Pu-239+Pu-240
1F, North of Unit 5-6 Discharge Channel	YY/MM/DD		
1F, Around South Discharge Channel			
Range of Past Measurement Values in the Sea Area Near 1F and 2F (FY1999 - FY2008)* <sup>1</sup>			
Range of Past Measurement Values in Japan (FY2006 - FY2010)* <sup>2</sup>			

[ ] shows below the detection limit.

\*1 Source "Report on the environmental radioactivity measurement around the Nuclear Power Plant (FY2009)", Committee on the safety technology of Nuclear Power Plants in Fukushima.

\*2 Source: "Environmental Radiation Database"

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

2. Analytical Institution: KAKEN Inc.

3. Evaluation:

End