

Analysis Result of Pu in the Marine Soil

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 | March 1, 2012 | N.D. [$<2.3 \times 10^{-2}$] | $(7.9 \pm 1.3) \times 10^{-2}$ |
| 1F, Around South Discharge Channel | | N.D. [$<3.2 \times 10^{-2}$] | $(1.2 \pm 0.19) \times 10^{-1}$ |
| Range of Past Measurement Values in the Sea Area Near 1F and 2F (2001-2008)* ¹ | | — | $1.7 \times 10^{-1} \sim 5.6 \times 10^{-1}$ |
| Range of Past Measurement Values in Japan (2001-2008)* ² | | N.D. $\sim 6 \times 10^{-2}$ | — |

The detection limit is provided in parentheses.

*1 Source: "2009 Report on the Result of Radioactivity Measurement around Nuclear Power Plant (Fukushima Nuclear Power Station Coordinating Committee for Safety Technology)"

*2 Source: "Environmental Radiation Database" (Ministry of Education, Culture, Sports, Science and Technology)

2. Analytical Institution

KAKEN Inc.

3. Evaluation

Given that the density level of Pu-239+Pu-240 detected on March 1, 2012, is the same as the past density measurements conducted along the seacoasts of 1F and 2F, it cannot be stated with absolute certainty that the presence of these particles is due to the accident.

End

Nuclides Analysis Result of Marine Soil

| Place of Sampling | North of Unit 5-6 Discharge Channel | Around the South Discharge Channel at Fukushima Daiichi NPS |
|---|--|---|
| Date of Sampling | May 14, 2012 | May 14, 2012 |
| Detected Nuclides (Half-life) | Radioactivity Density (Bq/kg·Dry Soil) | |
| I-131 (Approx. 8 days) | ND | ND |
| Cs-134 (Approx. 2 years) | 450 | 890 |
| Cs-137 (Approx. 30 years) | 640 | 1,300 |
| Sr-89 (Approx. 51 days) | ND | ND |
| Sr-90 (About 29 years) | ND | 4.3 |
| Range of Past Measurement Values in the Sea Area Near 1F and 2F (2001-2008): ND~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".
- * As for I-131, Cs-134 and Cs-137, we announced on July 31.
- * When the measurement value is below the detection limit, "ND" is marked. The detection limits are as follows.
 I-131: Approx. 15Bq/kg·Dry Soil, Sr-89: Approx. 4Bq/kg·Dry Soil, Sr-90: Approx. 2Bq/kg·Dry Soil.
 As the detection limit may vary depending on the detectors and sample properties, there are cases where nuclides below the detection limit are detected.
- * Nuclides analysis of Sr-89 and Sr-90 were done by KAKEN Inc.

(Evaluation)

Supposedly due to the accident, the density of Sr-90 detected this time is higher compared to that of Measurement Values in the Sea Area Near 1F and 2F.