

Nuclides Analysis Result of the Radioactive Materials in the Seawater < Coast, Fukushima Daiichi Nuclear Power Station >

(Data summarized on December 3, 2014)

| Place of Sampling | North of Unit 5-6 Discharge Channel at Fukushima Daiichi NPS (Approx. 30m North of Unit 5-6 Discharge Channel) | Around South Discharge Channel of Fukushima Daiichi NPS (Approx. 1.3km South of Unit 1-4 Discharge Channel) | | | |
|----------------------------------|---|--|------------------------------|--|-------------------------|
| Time of Sampling | Dec 2, 2014 *1 Suspended | Dec 2, 2014 *1 Suspended | | ② Density Limit Specified by the Reactor Regulation (Bq/L) (The density limit in the water outside the surrounding monitored areas is provided in section 6 of Appendix 2.) | |
| Detected Nuclides (Half-life) | ①Density of Sample (Bq/L) | Scaling Factor (①/②) | ①Density of Sample (Bq/L) | | Scaling Factor (①/②) |
| I-131 (Approx. 8 days) | ND(0.61) | - | ND(0.70) | | - |
| Cs-134 (Approx. 2 years) | ND(0.81) | - | ND(0.74) | - | 60 |
| Cs-137 (Approx. 30 years) | ND(0.53) | - | ND(0.65) | - | 90 |

* The density specified by the Reactor Regulation is converted from Bq/cm³ to Bq/L.

* Data of other nuclides is under evaluation.

* In the case of 2 nuclides or more, the sum of scaling factors to density limits is compared to 1.

* "ND" indicates that the measurement result is below the detection limit, which is provided in parentheses.

Analysis Result of Pu in the Seawater

1. Measurement Result:

(Data summarized on December 3)
(Unit : Bq/L)

| Place of Sampling | Date of Sampling | Pu-238 | Pu-239+Pu-240 |
|--|------------------|-------------------------------|---------------------------------|
| North side of Fukushima Daiichi Unit 5 and Unit 6 water hose outlet | Oct 21, 2014 | N.D. [5.1×10^{-6}] | $(9.4 \pm 2.2) \times 10^{-6}$ |
| Around Fukushima Daiichi South water hose outletside of F1 | | N.D. [5.3×10^{-6}] | $(1.2 \pm 0.25) \times 10^{-5}$ |
| 15km Offshore of Fukushima Daiichi NPS, Upper Layer | Oct 18, 2014 | N.D. [5.4×10^{-6}] | $(6.6 \pm 1.8) \times 10^{-6}$ |
| 3km Offshore of Ukedo River Upper Layer | Oct 8, 2014 | N.D. [6.2×10^{-6}] | $(5.5 \pm 1.7) \times 10^{-6}$ |
| 3km Offshore of Fukushima Daiichi NPS, Upper Layer | | N.D. [6.1×10^{-6}] | $(8.4 \pm 2.2) \times 10^{-6}$ |
| 3km Offshore of Fukushima Daini NPS, Upper Layer | Oct 18, 2014 | N.D. [4.8×10^{-6}] | $(5.0 \pm 1.6) \times 10^{-6}$ |
| The range of the past measurement results obtained in the ocean near Fukushima Daiichi and Daini Nuclear Power Stations (FY2001 - FY2010)* | | — | ND $\sim 1.3 \times 10^{-5}$ |

[] shows below the detection limit.

*: Source "Report on the environmental radioactivity measurement around the Nuclear Power Plant (FY2011)", Committee on the safety technology of Nuclear Power Plants in Fukushima)

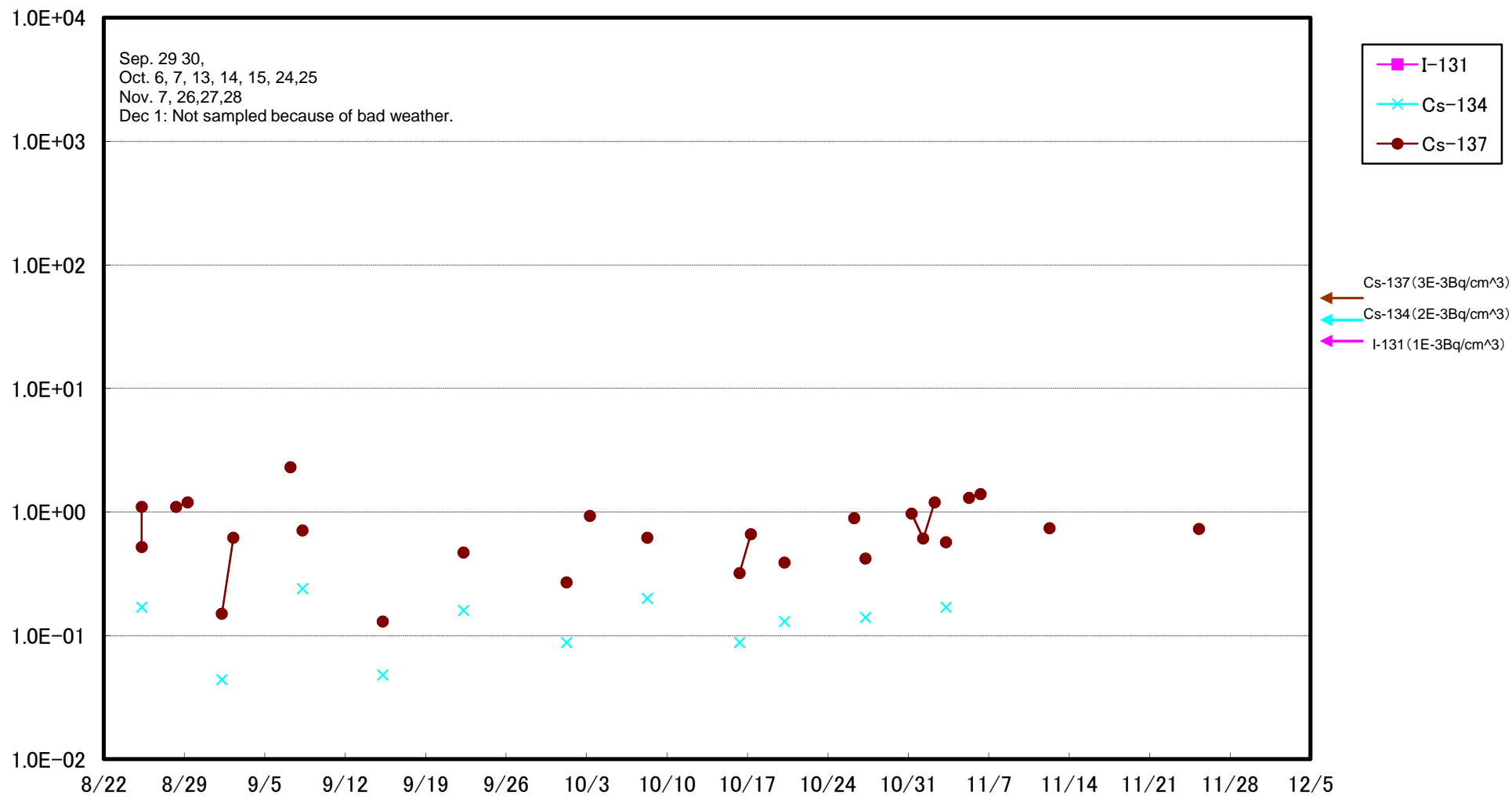
2. Analyzed by : Japan Chemical Analysis Center

3. Evaluation:

The density level of Pu-239+Pu-240 detected were within the range of past measurement around offshore of Fukushima Daiichi NPS or Fukushima Daini NPS, it is considered the data is nothing to do with the accident.

END

Radioactivity Density of the Seawater at 1F Units 5-6 North Discharge Channel (Bq/L)



Radioactivity Density of the Seawater at 1F South Discharge Channel (Bq/L)

