

F1 Issues

As of 1 May, 2014
Nuclear Regulation Authority (NRA), Japan

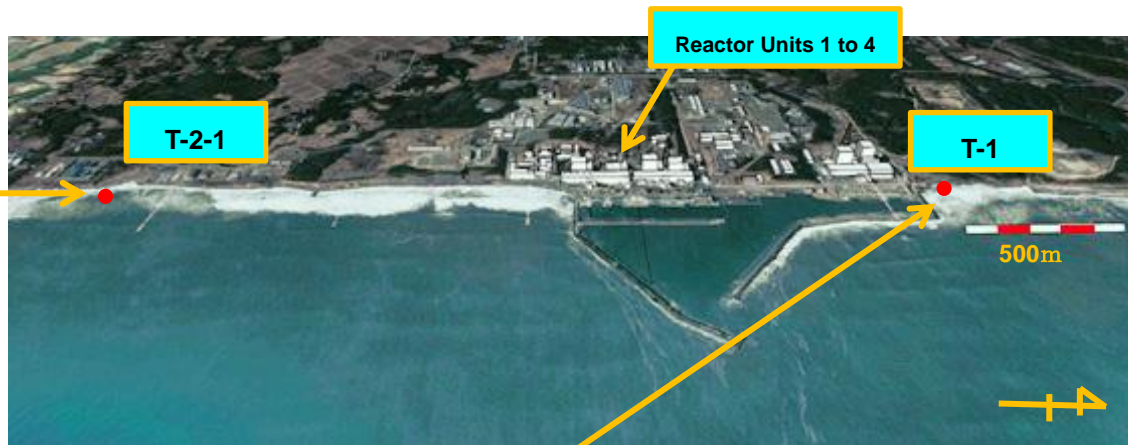
Current Information on Radioactivity in Seawater

The sampling points T-1 and T-2-1 near Fukushima Daiichi Nuclear Power Station are sentinels to assess effects on the environment by incidents including a leakage of contaminated water.

All radionuclides (i.e., Cs-134, Cs-137, total Beta and H-3) remained low and stable from 21 to 28 April at the sampling points T-1 and T-2-1 as indicated in the following tables.

The following URL of the NRA website leads to details of monitoring results:

http://radioactivity.nsr.go.jp/en/contents/9000/8357/24/Sea_Area_Monitoring_20140430.pdf



1.1km northern point (T-1) from the outlet for Reactor Units 1 to 4

Sampling Date in 2014	Cs-134 (Bq/L)	Cs-137 (Bq/L)	Total Beta (Bq/L)	H-3 (Bq/L)
21 April	ND(0.73)	ND(0.75)	12	ND(1.4)
22 April	ND(0.63)	ND(0.56)	–	–
23 April	ND(0.59)	ND(0.72)	–	–
24 April	ND(0.71)	ND(0.74)	–	–
25 April	ND(0.62)	0.74	–	–
26 April	ND(0.64)	0.94	–	–
27 April	ND(0.66)	ND(0.82)	–	–
28 April	ND(0.74)	ND(0.56)	13	In progress

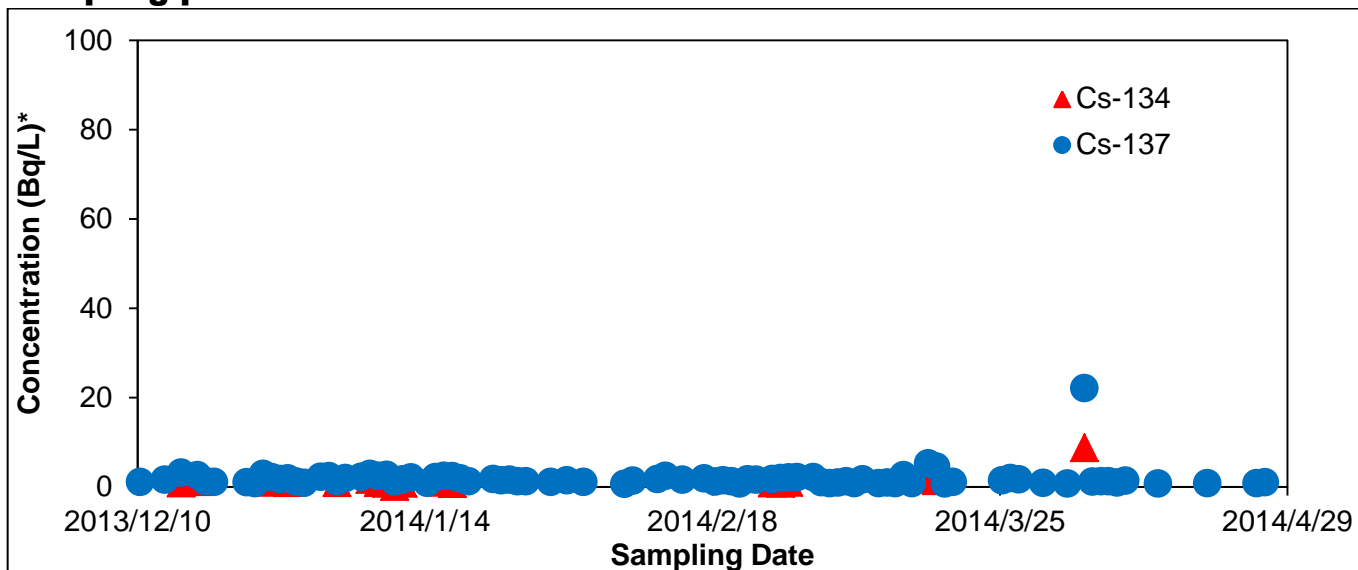
1.3km southern point (T-2-1) from the outlet for Reactor Units 1 to 4

Sampling Date in 2014	Cs-134 (Bq/L)	Cs-137 (Bq/L)	Total Beta (Bq/L)	H-3 (Bq/L)
21 April	ND(0.66)	ND(0.53)	15	ND(1.4)
22 April	ND(0.66)	ND(0.58)	12	–
23 April	ND(0.68)	ND(0.78)	9.0	–
24 April	ND(0.63)	ND(0.56)	14	–
25 April	ND(0.57)	ND(0.56)	8.2	–
26 April	ND(0.72)	ND(0.67)	9.3	–
27 April	ND(0.76)	ND(0.83)	12	–
28 April	ND(0.57)	ND(0.62)	11	In progress

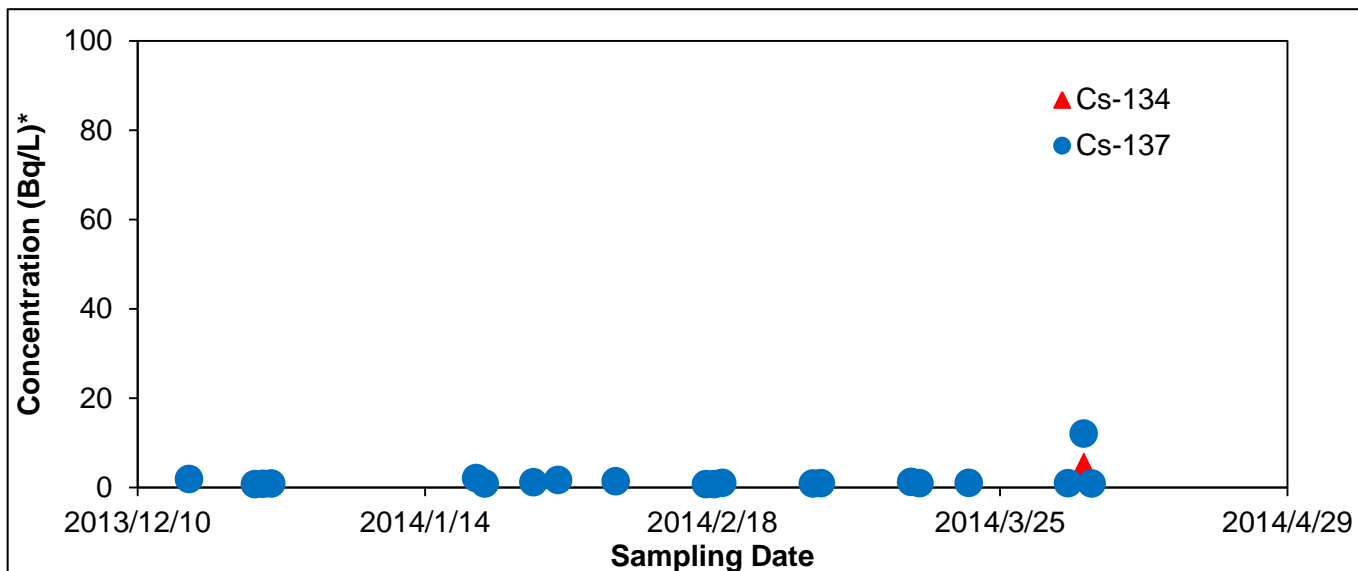
ND: Under the limit of detection

The concentrations of Cs-134 and Cs-137 monitored at the sampling points T-1 and T-2-1 from 10 December 2013 to 28 April 2014 are shown in the following figures. The values under the limit of detection are not plotted on the figures. And seawater samples are taken every day except for the days of bad weather.

Sampling point: T-1



Sampling point: T-2-1



*The scale is set taking into account the limit values of concentrations (e.g., 60 Bq/L for Cs-134, 90 Bq/L for Cs-137, 60,000 Bq/L for H-3) in water for release of radioactive materials from a nuclear facility to the environment, which have been based on Japan’s Act on the Regulation of Nuclear Source Material, Nuclear Fuel Material and Reactors as well as the standpoints of International Commission on Radiological Protection (ICRP).