

F1 Issues

As of 18 April, 2014
Nuclear Regulation Authority (NRA), Japan

The NRA received a report from TEPCO on 13 April regarding the inappropriate transfer of contaminated water at Fukushima Daiichi Nuclear Power Station (NPS) as described in the News Release (<http://www.nsr.go.jp/english/newsrelease/data/20140415.pdf>).

The NRA received a report from TEPCO on 13 April regarding the leakage of water from a plastic bottle (*) to the ground surface with radioactivity 440, 1200, 1400 and 11 Bq/L of Cs-134, Cs-137, total Beta and Sr-90 respectively. Maximum volume of leaked water is 1 m³.

(*) The plastic bottle has a volume of 1 m³ and contains rainwater with radioactive materials, which remained in the dike surrounding the tanks.

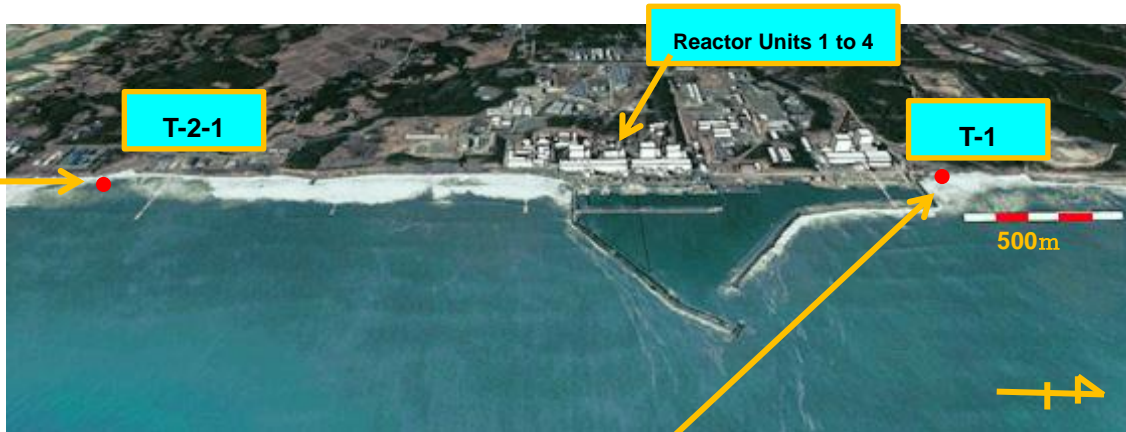
The NRA directed TEPCO on several points (e.g., removal of contaminated ground soil and leaked water on the ground surface, cause-finding, preventive measures to be taken). Radioactivity in the sea area near Fukushima Daiichi NPS indicates no significant change as seen in the following tables.

Current Information on Radioactivity in Seawater

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

The concentrations of all radionuclides (i.e., Cs-134, Cs-137, total Beta and H-3) at T-1 and T-2-1 returned to the low level, as it was described in the previous F1 Issues that the levels of Cs-134 and Cs-137 at T-1 and T-2-1 and total Beta at T-2-1 on 4 April were likely to be elevated temporarily.

The following URL of NRA website leads to details of monitoring results:
http://radioactivity.nsr.go.jp/en/contents/9000/8293/24/Sea_Area_Monitoring_20140415.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)
6 April	ND(0.81)	1.2	–	–
7 April	ND(0.86)	1.2	13	2.2
8 April	ND(0.90)	0.91	–	–
9 April	ND(0.53)	1.3	–	–
10 April	ND(0.85)	ND(0.82)	–	–
11 April	ND(0.55)	ND(0.71)	–	–
12 April	ND(0.79)	ND(0.66)	–	–
13 April	ND(0.74)	0.69	–	–
14 April	ND(0.69)	ND(0.54)	14	In progress
15 April	ND(0.62)	ND(0.70)	–	–
16 April	ND(0.66)	ND(0.62)	–	–

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)
6 April	ND(0.68)	ND(0.58)	11	–
7 April	ND(0.59)	ND(0.68)	9.2	ND(1.5)
8 April	ND(0.78)	ND(0.61)	11	–
9 April	ND(0.68)	ND(0.50)	12	–
10 April	ND(0.70)	ND(0.58)	9.0	–
11 April	ND(0.84)	ND(0.66)	13	–
12 April	ND(0.62)	ND(0.75)	13	–
13 April	ND(0.63)	ND(0.71)	12	–
14 April	ND(0.55)	ND(0.53)	14	In progress
15 April	ND(0.66)	ND(0.72)	14	–
16 April	ND(0.68)	ND(0.68)	13	–

ND: Under the limit of detection