

# F1 Issues

As of 27 December, 2013  
Nuclear Regulation Authority (NRA), Japan

TEPCO found the following incidents, and the NRA has confirmed these incidents:

- Water\* leaked from the dike in H5 Tank Area on 21 and 22 December.
- Water\* levels inside the dikes in H4 and H4 East Tank Areas decreased substantially on 24 December, compared with those on 20 December. The cause of the decreased water levels has been under investigation by TEPCO.

(\*) In this case, “water” means that rainwater in the dikes surrounding storage tanks has been contaminated by radioactive material existing within the dikes.

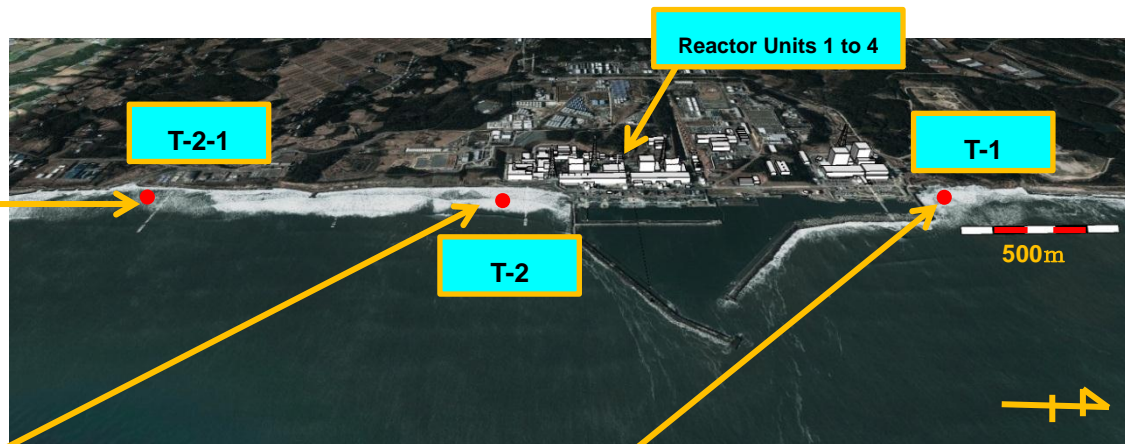


## Current Information on Radioactivity in Seawater

The results of daily monitoring by TEPCO of seawater at the sampling points T1, T-2 and T-2-1 are shown in the tables. The concentrations of all radionuclides (i.e., Cs-134, Cs-137, total Beta and H-3) did not vary remarkably in the time period of 16 to 24 December at these sampling points.

The following URL leads to details of monitoring results:

[http://radioactivity.nsr.go.jp/en/contents/8000/7767/24/Sea\\_Area\\_Monitoring\(20131224\).pdf](http://radioactivity.nsr.go.jp/en/contents/8000/7767/24/Sea_Area_Monitoring(20131224).pdf)



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

samples Date in 2013	Cs-134 (Bq/L)	Cs-137 (Bq/L)	Total Beta (Bq/L)	H-3 (Bq/L)
16 December	ND(1.1)	ND(0.53)	8.9	ND(1.6)
17 December	1.1	2.5	–	–
18 December	ND(0.81)	1.2	–	–
19 December	ND(1.0)	1.0	–	–
20 December	No samples due to bad weather			
21 December	No samples due to bad weather			
22 December	No samples due to bad weather			
23 December	ND(0.62)	0.99	12	In progress
24 December	ND(0.76)	0.75	–	–

### 330m southern point (T-2) from the outlet for Reactor Units 1 to 4

samples Date in 2013	Cs-134 (Bq/L)	Cs-137 (Bq/L)	Total Beta (Bq/L)
16 December	1.7	5.1	ND(19)
17 December	ND(1.6)	ND(1.4)	ND(18)
18 December	ND(1.0)	ND(1.4)	ND(22)
19 December	ND(1.0)	ND(1.3)	ND(20)
20 December	No samples due to bad weather		
21 December	No samples due to bad weather		
22 December	No samples due to bad weather		
23 December	ND(1.2)	ND(1.2)	ND(21)
24 December	ND(0.88)	ND(1.3)	ND(17)
25 December	ND(1.0)	ND(1.2)	ND(18)

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

samples Date in 2013	Cs-134 (Bq/L)	Cs-137 (Bq/L)	Total Beta (Bq/L)	H-3 (Bq/L)
16 December	ND(1.1)	1.8	13	ND(1.6)
17 December	ND(0.56)	ND(0.78)	12	–
18 December	ND(0.81)	ND(0.64)	11	–
19 December	ND(1.0)	ND(0.80)	9	–
20 December	No samples due to bad weather			
21 December	No samples due to bad weather			
22 December	No samples due to bad weather			
23 December	No samples due to bad weather			
24 December	ND(0.76)	0.69	12	In progress

ND: Under the limit of detection

**16 editions of "F1 Issues" have been published in 2013.  
The next "F1 Issues" will be published in the 2nd week of January 2014.**