

F1 Issues

As of 13 February, 2014
Nuclear Regulation Authority (NRA), Japan

As delineated in the news release dated 6 February 2014, the Nuclear Regulation Authority (NRA) of Japan received a report from TEPCO regarding the leakage of water, which was treated by Simplified Active Water Retrieve and Recovery System (SARRY, cesium removal facility) and Reverse Osmosis Desalination Facility (RO) at Fukushima Daiichi Nuclear Power Station, pursuant to the Act on Regulation of Nuclear Source Material, Nuclear Fuel Material and Nuclear Reactors (Article 62-3, http://www.nsr.go.jp/english/library/data/related_act_1218.pdf)

The following URL of NRA website leads to the news release:

<http://www.nsr.go.jp/english/newsrelease/data/20140206.pdf>

Updated information on the above-described water leakage is as follows:

- The concentration of radioactive materials in the water treated by SARRY and RO, which TEPCO measured on 6 February 2014 and then reported to the NRA, is as follows:
 - Cs-134: Under the limit of detection
 - Cs-137: Under the limit of detection
 - Total Beta: 9.3×10^4 Bq/L
 - H-3: 3.8×10^5 Bq/L
- The ground soil, to which the leaked water flowed, was removed and transferred to the tentative storage place on site in the period from 6 to 7 February.

Nuclear safety inspectors of the NRA Regional Office are watching closely the current situation on site where the water leakage occurred. The NRA pays careful attention to TEPCO's cause-finding and prevention measures to be taken.

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. The NRA has been closely watching the results of TEPCO's daily monitoring of seawater at these sampling points.

The results of the concentration of all radionuclides (i.e., Cs-134, Cs-137, total Beta and H-3) indicate no significant increase from 3 to 9 February 2014 at the sampling points T-1 and T-2-1.

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

http://radioactivity.nsr.go.jp/en/contents/8000/7981/24/Sea_Area_Monitoring_20140212.pdf



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

Samples Date in 2014	Cs-134 (Bq/L)	Cs-137 (Bq/L)	Total Beta (Bq/L)	H-3 (Bq/L)
3 February	ND(0.72)	ND(0.59)	12	ND(1.8)
4 February	ND(0.81)	ND(0.68)	–	–
5 February	ND(0.68)	ND(0.58)	–	–
6 February	ND(0.87)	ND(0.69)	–	–
7 February	ND(0.74)	0.63	–	–
8 February	ND(0.63)	1.3	–	–
9 February	No sampling due to bad weather			

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

Samples Date in 2014	Cs-134 (Bq/L)	Cs-137 (Bq/L)	Total Beta (Bq/L)	H-3 (Bq/L)
3 February	ND(0.72)	ND(0.59)	11	ND(1.8)
4 February	ND(0.73)	ND(0.64)	10	–
5 February	ND(0.67)	ND(0.64)	12	–
6 February	ND(0.67)	1.3	13	–
7 February	ND(0.67)	ND(0.76)	12	–
8 February	ND(0.49)	ND(0.62)	11	–
9 February	No sampling due to bad weather			

ND: Under the limit of detection

For your information:

On 13 February 2014, the IAEA published the Mission Report entitled “IAEA International Peer Review Mission on Mid-And-Long-Term Roadmap towards the Decommissioning of TEPCO’s FUKUSHIMA DAIICHI Nuclear Power Station Units 1-4 (Second Mission, 25 November – 4 December 2013)”.

The following URL of IAEA website leads to the Mission Report:

http://www.iaea.org/newscenter/focus/fukushima/final_report120214.pdf

The Mission Report delineates Japan’s marine monitoring activities in the Chapter 3.3 “Marine Monitoring and Assessment of Potential Radiological Impact” (page 56-61).