

# News Release



20 February, 2014  
Nuclear Regulation Authority, Japan

On 20 February 2014, TEPCO reported the Nuclear Regulation Authority (NRA) on the incident of water leakage at Fukushima Daiichi Nuclear Power Station pursuant to the Act on Regulation of Nuclear Source Material, Nuclear Fuel Material and Reactors (Article 62-3, [http://www.nsr.go.jp/english/library/data/related\\_act\\_1218.pdf](http://www.nsr.go.jp/english/library/data/related_act_1218.pdf)) as follows:

- At 23:25 (Japan time) on 19 February, TEPCO found that water was leaking from the upper part of Tank C-1 in H-6 Tank Area, which has stored the water that was condensed by RO (reverse osmosis desalination facility) after the treatment by SARRY (cesium removal facility), to the dike surrounding H-6 Tank Area and to the outside of the dike through the rainwater drainpipe running from the upper part of Tank C-1 to the ground surface beyond the dike.
- At 05:40 (Japan time) on 20 February, TEPCO succeeded in stopping the water leakage by means of closing the valves installed between Tank C-1 and RO and transferring some amount of the water stored fully in Tank C-1 to other tanks in H-6 Tank Area. The amount of water, which leaked to the outside of dike, was estimated by TEPCO to be approximately 100 m<sup>3</sup>.
- Based on the below-described recommendation by the NRA, TEPCO has been working on investigation to figure out the total amount of leaked water and others.
- The concentration of radioactive materials in the water in the above-described rainwater drainpipe, which was measured by TEPCO on 20 February, is as follows:

Cs-134:	3.8 x10 <sup>3</sup> Bq/L
Cs-137:	9.3 x10 <sup>3</sup> Bq/L
Co-60:	1.8 x10 <sup>3</sup> Bq/L
Mn-54:	1.3 x10 <sup>3</sup> Bq/L
Sb-125:	4.1 x10 <sup>4</sup> Bq/L
Total Beta:	2.3 x10 <sup>8</sup> Bq/L

- The concentration of radioactive materials in the water leaked into the above-described dike, which was measured by TEPCO on 20 February, is as follows:

Cs-134:	4.2 x10 <sup>1</sup> Bq/L
Cs-137:	1.3 x10 <sup>2</sup> Bq/L
Co-60:	3.5 x10 <sup>1</sup> Bq/L
Mn-54:	2.2 x10 <sup>1</sup> Bq/L
Sb-125:	6.2 x10 <sup>2</sup> Bq/L
Total Beta:	3.0 x10 <sup>6</sup> Bq/L

## **NRA's Action**

On 20 February, the NRA issued the following points of recommendation to TEPCO:

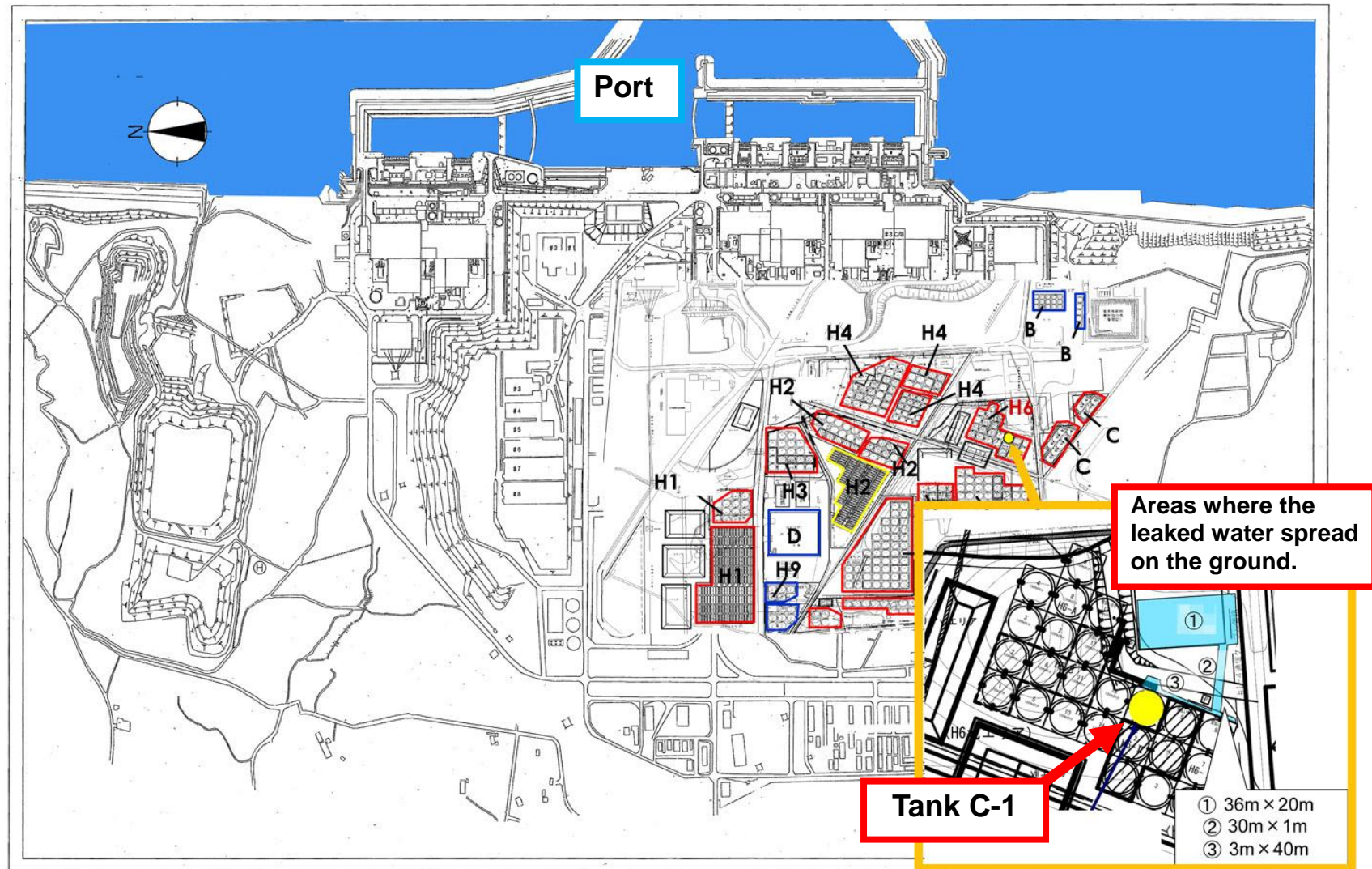
- To take measures to stop the water leakage promptly;
- To figure out the scope of areas contaminated by the leaked water;
- To figure out the total amount of leaked water and the concentration of radioactive materials in the water;
- To remove the contaminated soil to a storage place on site; and
- To check whether water leakage from the same-type tanks as Tank C-1 is happening or not.

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 response activities based on the above-described recommendation.

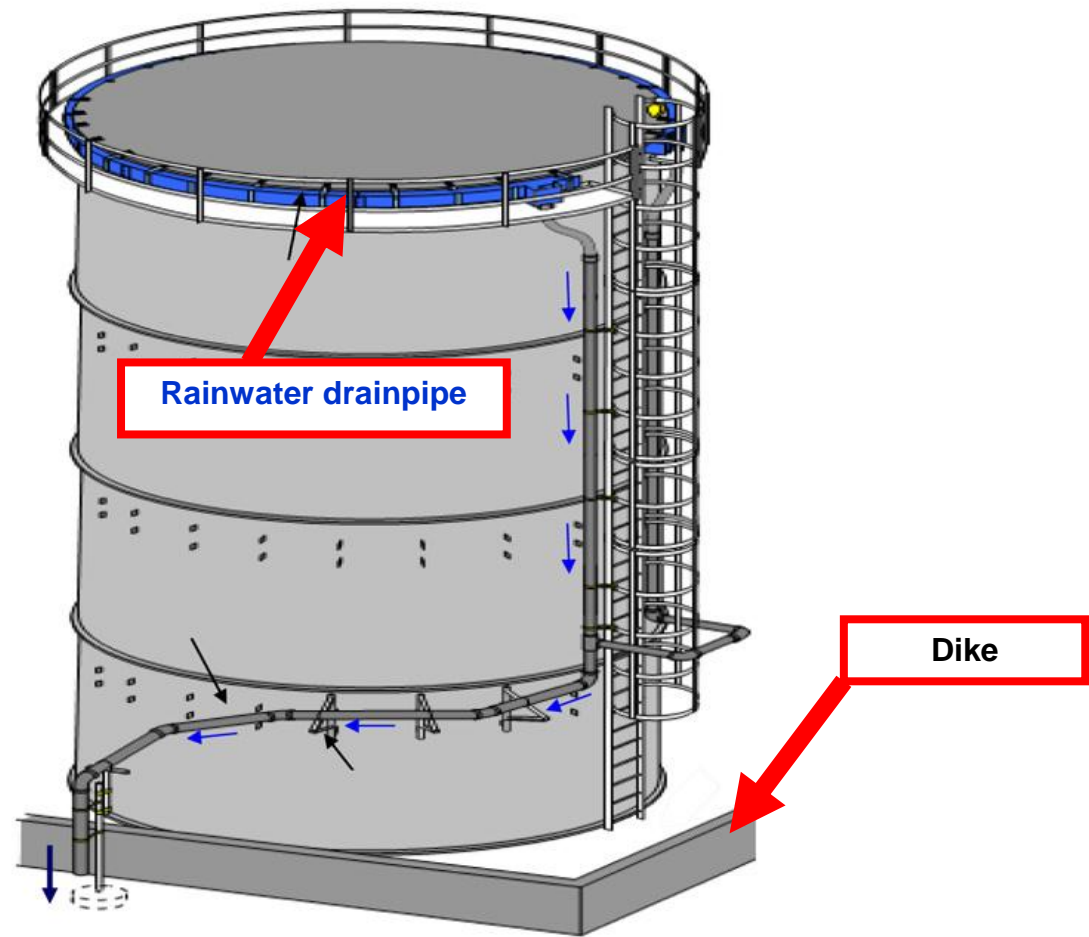
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## The place of water leakage on site of Fukushima Daiichi Nuclear Power Station



Tank C-1



The photo and illustration are originally provided by TEPCO and modified by the NRA.