

Puddle Found on the First Floor of Unit 4 Waste Treatment Building at Fukushima Daiichi Nuclear Power Station

< Reference >
December 14, 2012

Tokyo Electric Power Company

Date and time: December 13, 2012 around 4:30 PM

Location: First floor of Unit 4 Waste Treatment Building

Outline

A TEPCO employee found water dripping (about 2 drops per second) from the air conditioning duct installed on the upper part of aisle on the first floor of Unit 4 Waste Treatment Building. The water has not flowed to the outside of the building since the water flowed into the floor funnel (pipe connected to the basement) nearby and the structure of the first floor surface is similar to a dam.

Area affected by the water dripping (Floor surface): Approx. 2m x 1m x 1mm (depth) (Approx. 2L)

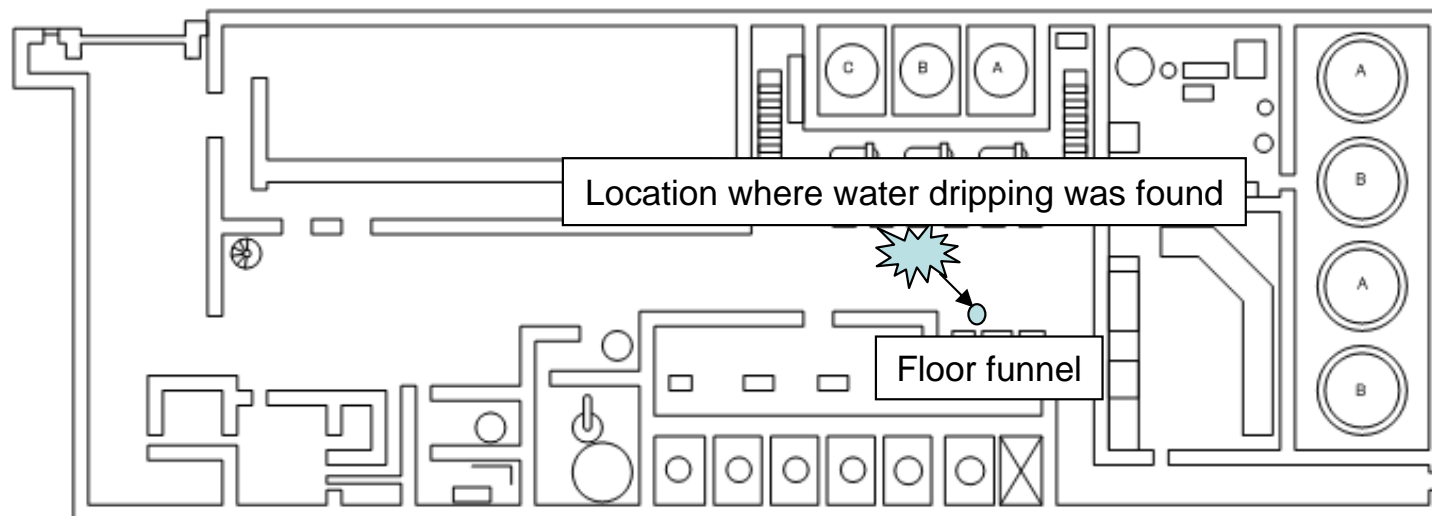
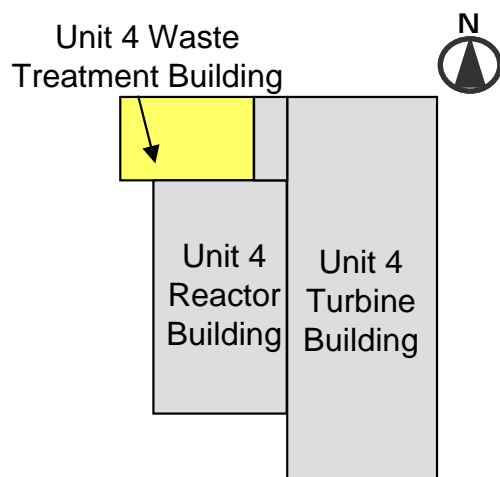
*The exact leakage amount is not clear as the water had flowed into the funnel.

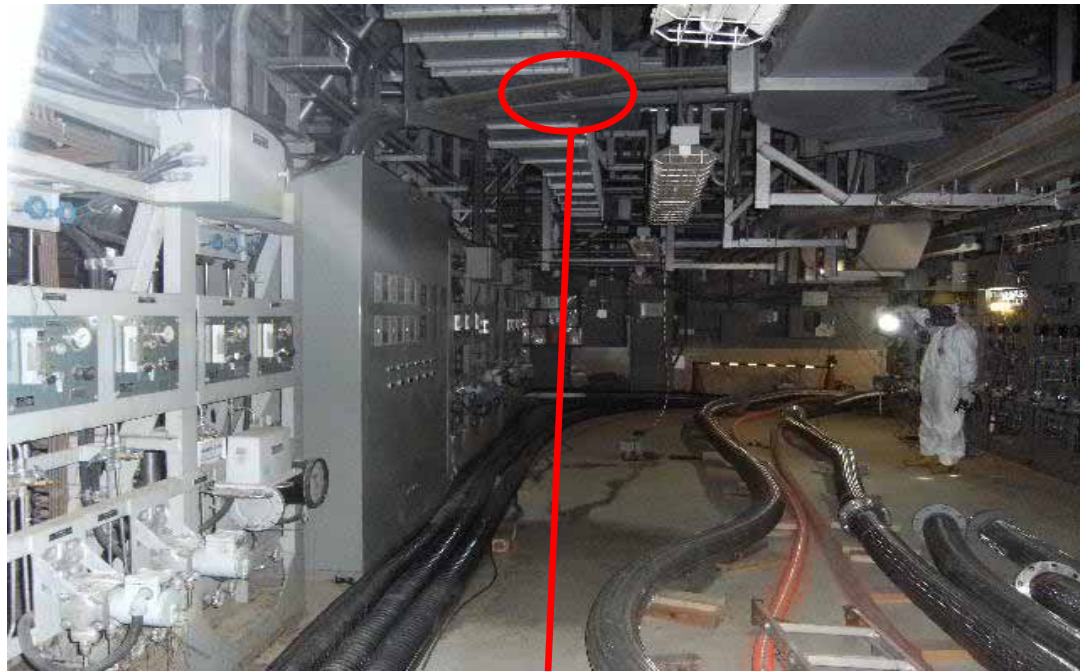
Radioactivity density analysis results of the dripped water

Cesium 134: Approx. $4.2 \times 10^1 \text{Bq/cm}^3$, Cesium 137: Approx. $7.2 \times 10^1 \text{Bq/cm}^3$

Assumed cause: Rainwater flowed in from the damaged part of the outdoor duct dripping from the duct joint

Countermeasure: Measures to prevent rainwater from flowing in are under consideration (The duct is currently not in use).





Photos taken on December 14, 2012 by TEPCO