Revised version

Decreases of Water Levels inside H4 and H4 East Tank Area Dikes at Fukushima Daiichi NPS

< Reference >
December 25, 2013
Tokyo Electric Power Company

1. Summary of the water level decreases inside the H4 and H4 East tank area dikes

[December 24]

○ **Data of water levels inside the H4 and H4 East tank area dikes showed us that the water levels in these tank areas have gradually decreased.**

< H4 tank area >

- **Water level inside the dike**
  - **Approx. 12 cm on December 20 and approx. 5 cm at around noon on December 24.**
    Leakage amount (estimated): approx. 116 m^3
- **Sampling result of water inside the dike (taken on December 20, where strontium 90 was measured using the simplified method)**
  Cesium 134: Below the detection limit value (the detection limit value: 10 Bq/L)
  Cesium 137: Below the detection limit value (the detection limit value: 15 Bq/L)
  Strontium 90: 20 Bq/L

< H4 East tank area >

- **Water level inside the dike**
  - **Approx. 12 cm on December 20 and approx. 1 cm at around noon on December 24.**
    Leakage amount (estimated): approx. 109 m^3
- **Sampling result of water inside the dike (taken on December 20, where strontium 90 was measured using the simplified method)**
  Cesium 134: Below the detection limit value (the detection limit value: 12 Bq/L)
  Cesium 137: Below the detection limit value (the detection limit value: 17 Bq/L)
  Strontium 90: 440 Bq/L

*** We coped with this leakage by pumping up water from the inside of the dikes and applying water stop treatment using epoxy resin to masonry joints of the dike foundations.**

2. Water leakage from the inside of the dike to the outside of the dike in the H4 tank area

[December 25]

○ At around noon on December 25, a TEPCO employee on patrol found a small amount of water leaking to the outside of the dike at the south side of in the H4 tank area where repair work (replacement of caulking agent) of the dike foundation was then underway in response to the water level decrease inside the dike.

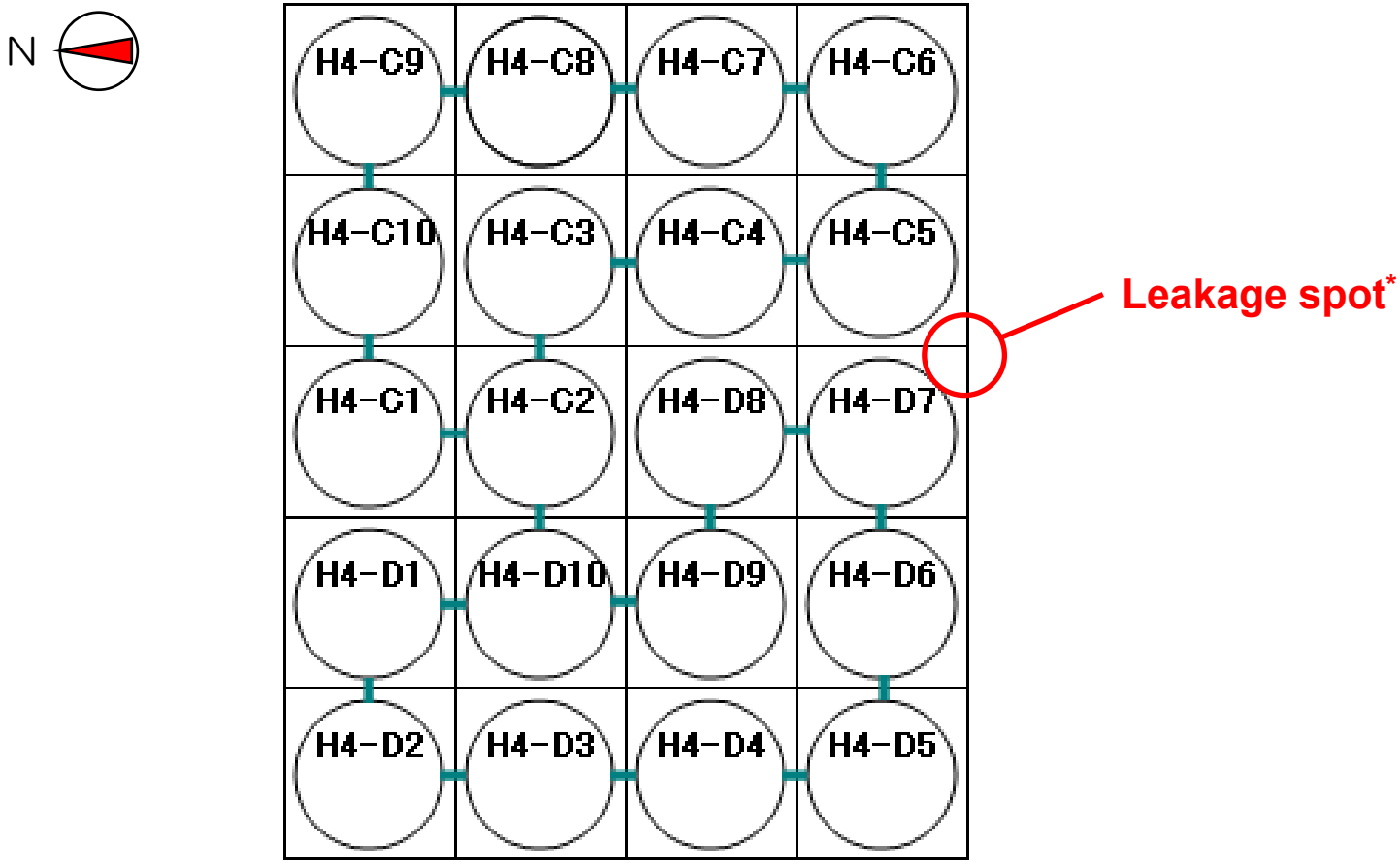
○ Later, the leakage stopped as the repair work (replacement of caulking agent) was completed.

< Dose measurement results for this area > *High doses were not detected.

- Atmosphere dose
  70 μm dose equivalent rate (gamma and beta rays) 0.02mSv/h
- Dose at the relevant part (leakage spot)
  (At the 5cm distance*) 70 μm dose equivalent rate (gamma and beta rays) 0.03mSv/h
- Surface dose inside the dike
  (At the 5cm distance*) 70 μm dose equivalent rate (gamma and beta rays) 0.04mSv/h

*Position that is 5 cm away from a spot subject to measurement.

3. Spot of water leakage from the inside of the dike to the outside of the dike in the H4 tank area



The number of tanks in the H4 tank area: 20

*: The location of the leakage spot was incorrect in the previous version and was corrected. (The correction was made on December 25, 2013.)

(Reference) Map of tank area locations