

Field Survey on the semi-basement floor of the reactor building of Unit 2 and 3 at Fukushima Daiichi Nuclear Power Station

Survey Purpose

In order to grasp the leakage route (damaged part) of the reactor cooling water in the torus room*, the inflow part of the groundwater into the torus room and working circumstances in the torus room, we are planning to conduct survey in the torus room in the future. This time we are planning to conduct field survey of the semi-basement floor of Unit 2 and 3 which connects to the torus room as the preliminary survey. (The reactor building of Unit 1 is exempt from this survey because the water level of the accumulated water is higher than semi-basement floor.)

*Torus room: The room that holds large torus-shape suppression chamber which store water for Emergency Core Cooling System.
It is located at the bottom of the Primary Containment Vessel and around it.

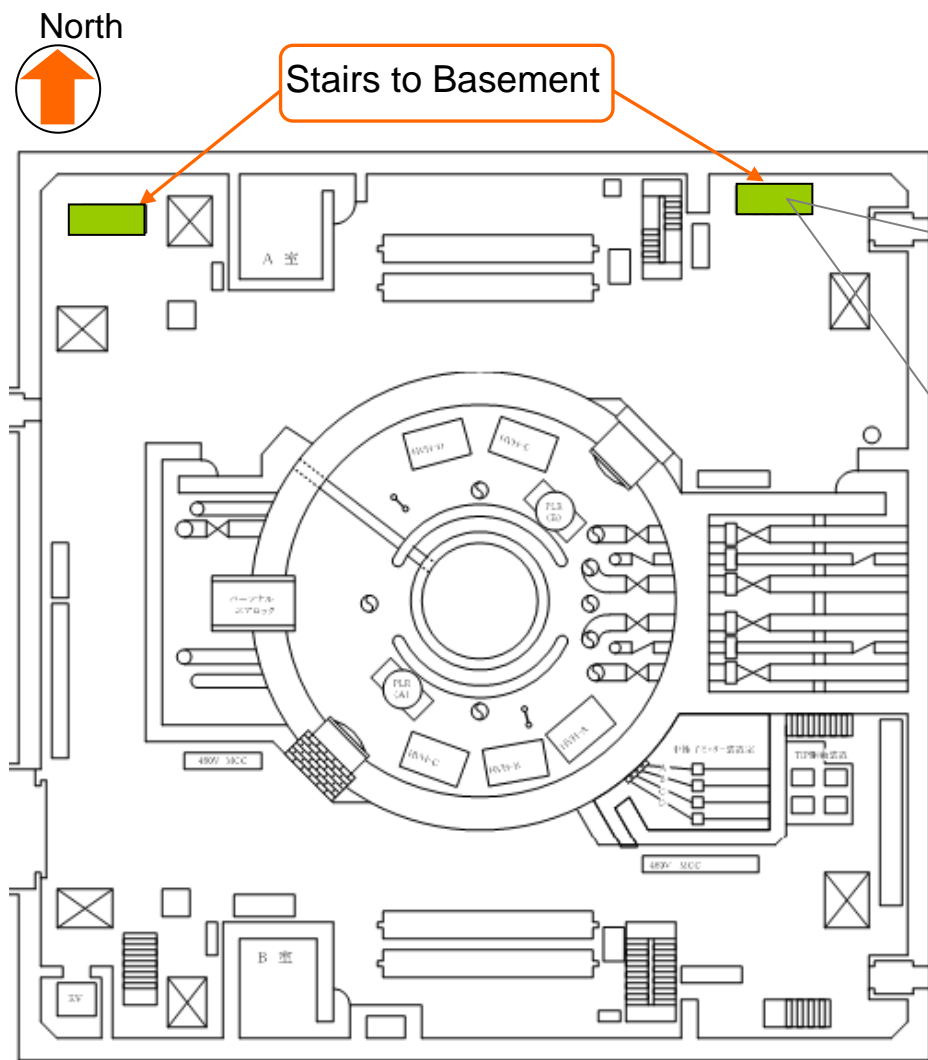
Survey contents (Plan)

- Measurement of air dose, dust density, temperature and humidity and taking pictures on the semi-basement floor of the reactor building
- Confirmation of opening and closing condition of gate of the torus room and measurement of door surface dose
- Confirmation of water level at stairway which connect to the basement floor of the reactor building and any obstacles

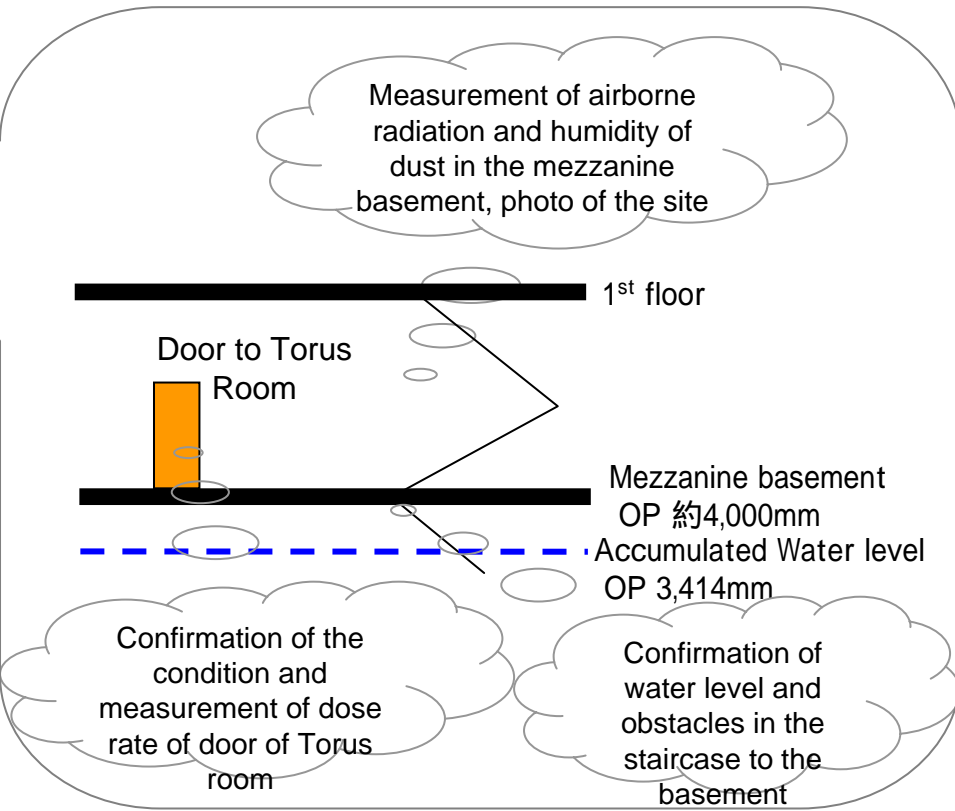
Working Organization (Plan)

- Survey date: March 14, 2012 12:00 ~ 12:30
- Worker: Four TEPCO staffs
- Expected dose: 10 mSv/person
- Place: Northeastern and northwestern corner on the semi-underground floor of the reactor building of Unit 2, northeastern corner on the semi-underground floor of the reactor building of Unit 3

Investigation Points (Example: North-east corner of Basement of Unit 2 Reactor Building)



<1st Floor of Unit 2 Reactor Building>



As of 4:00pm, 2012/3/13

- Unit 1 (north-west water gauge)
mez. basement: :OP approx. 3,000mm water surface: OP approx. 4,642mm
- Unit 2 (north-west water gauge)
mez. basement: :OP approx 4,000mm water surface: OP OP approx. 3,414mm
- Unit 3 (north-east water gauge)
mez. Basement: OP approx. 4,000mm water surface: OP approx. 3,406mm