

< Reference >

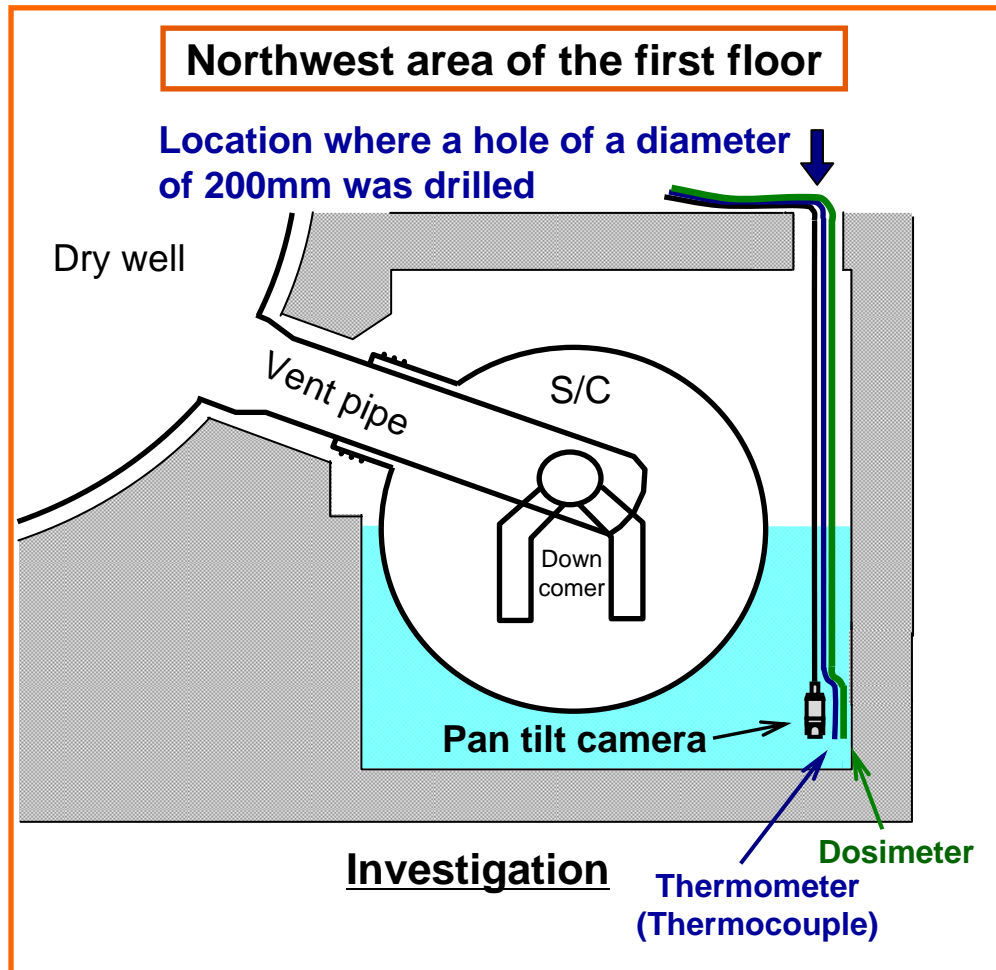
# **Investigation of Unit 1 Torus Room at Fukushima Daiichi Nuclear Power Station (Day 1)**

**February 20, 2013  
Tokyo Electric Power Company**

# 1. Investigation Method (Temperature, Dose, Camera)

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Investigation of the inside of Unit 1 Torus Room was performed by inserting a thermometer, a dosimeter and a camera from a hole of a diameter of 200mm drilled on the floor in the northwest side of the first floor of the Reactor Building.



## Investigation items

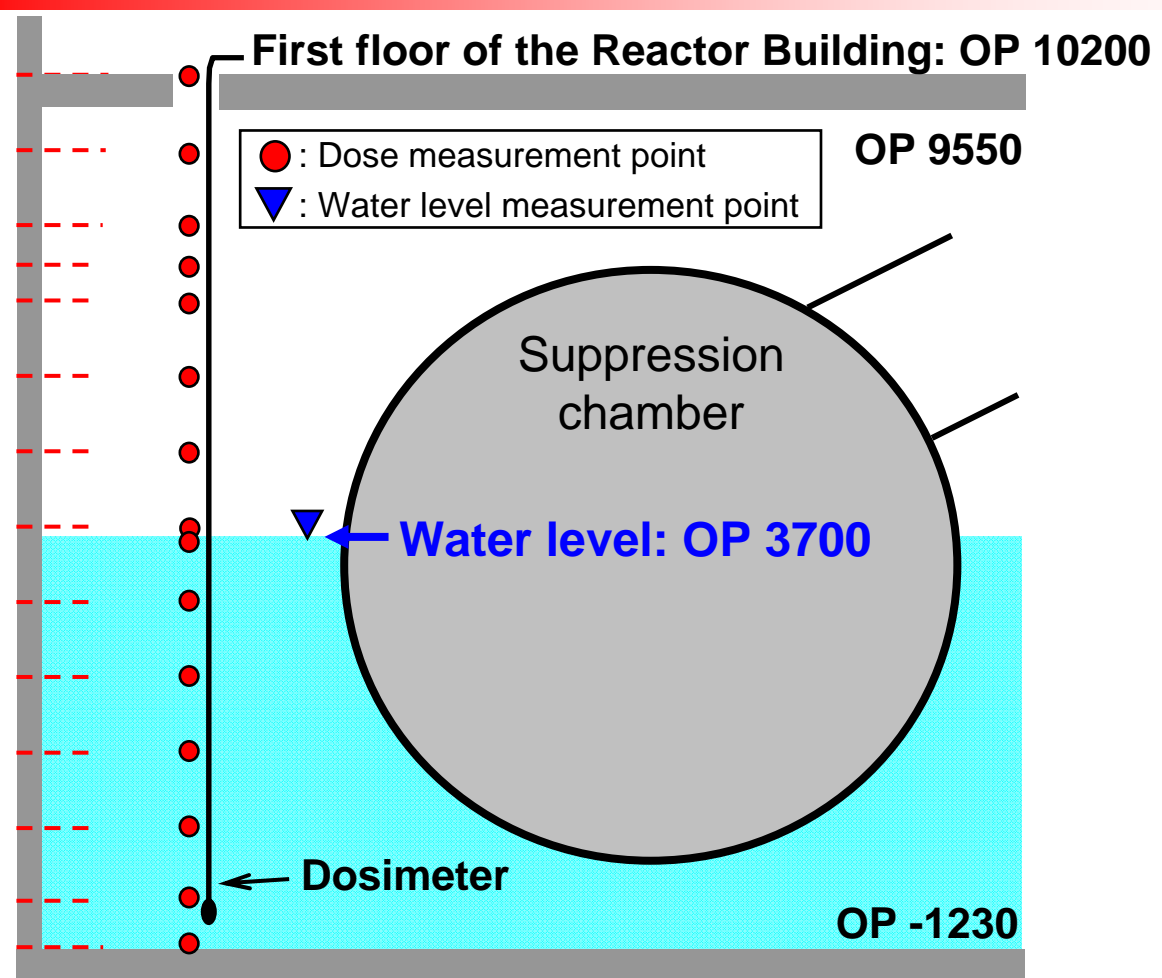
Temperature  
(Atmosphere, accumulated water)

Dose  
(Atmosphere, accumulated water)

Image acquisition  
(Inside of the Torus Room)

Number of workers involved: 20  
Time: 9:50 AM to 12:15 PM  
Exposure dose: 1.78mSv (Max.)

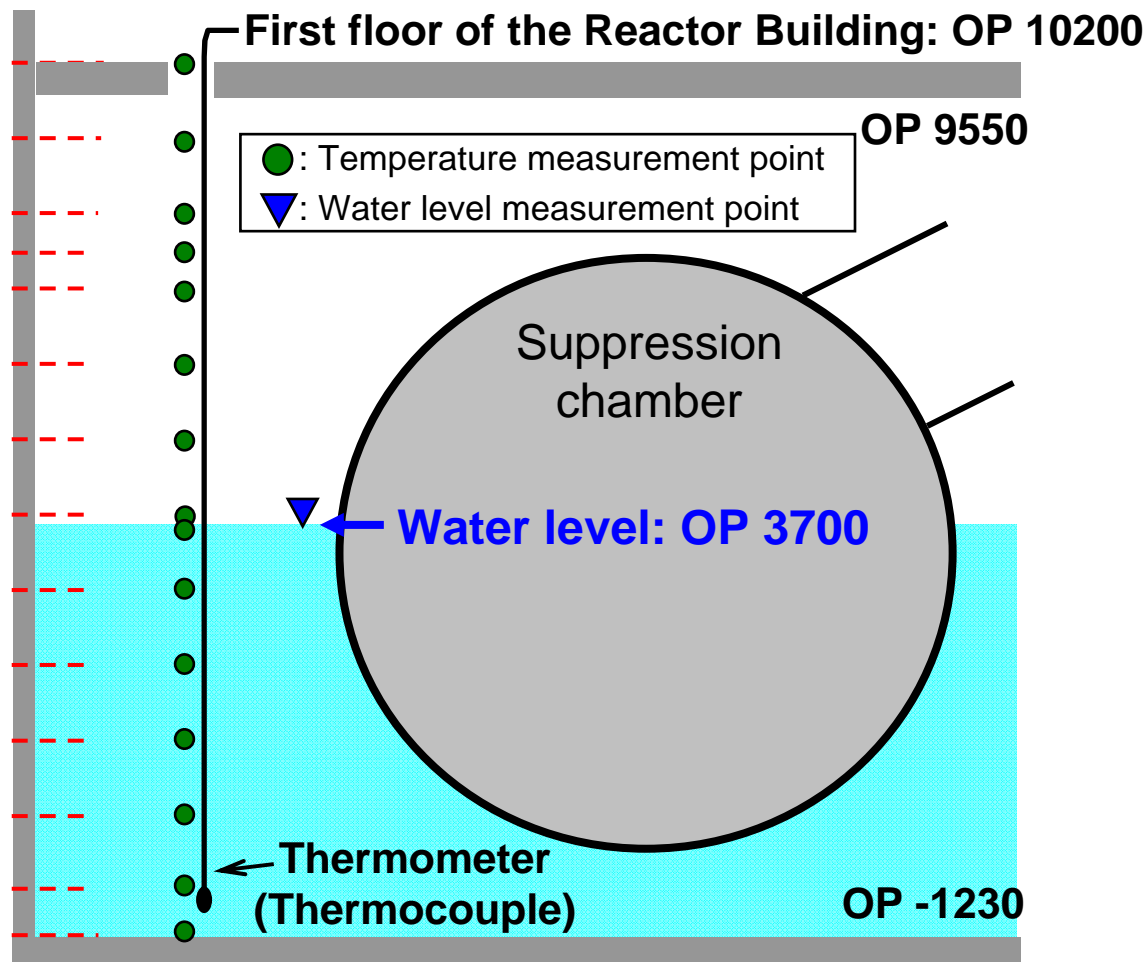
## 2. Measurement Results (Dose)



Location	Dose [mSv/h]
OP.10200	1.5
OP.9200	180
OP.8200	220
OP.7700	230
OP.7200	250
OP.6200	420
OP.5200	780
OP.4200	920
Water level: Approx. OP.3700	800
OP.3200	110
OP.2200	93
OP.1200	83
OP. 200	82
OP. -800	90
OP.-1230	95

- Dose was measured in the interval of approx. 1m.
- The maximum dose was 920mSv/h measured in the upper part of the water.

# 3. Measurement Results (Temperature)



Location		Temp. [ ]
	OP.10200	4.8
	OP.9200	16.3
	OP.8200	17.4
	OP.7700	17.3
	OP.7200	16.9
	OP.6200	17.1
	OP.5200	17.4
	OP.4200	17.7
	Water level: Approx. OP.3700	19.8
	OP.3200	22.7
	OP.2200	22.9
	OP.1200	22.9
	OP. 200	22.9
	OP. -800	22.8
	OP.-1230	22.8

- Temperature was measured in the interval of approx. 1m.
- The air temperature was approx. 17 and the water temperature was approx. 23 .

## 4. Camera Images

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### Accumulated water level:

Approx. OP.3700 (Depth: Approx. 4.9m)

### Clarity of the accumulated water (Visibility):

Approx. 60cm

### Structures inside the Torus Room:

Though rust, etc. was found in the acquired images, **no major damage was found on the structures**. Evaluation in detail is to be performed.