

Drilling Holes for the Investigation of Unit 1 Torus Room at Fukushima Daiichi Nuclear Power Station

February 14, 2013

Tokyo Electric Power Company

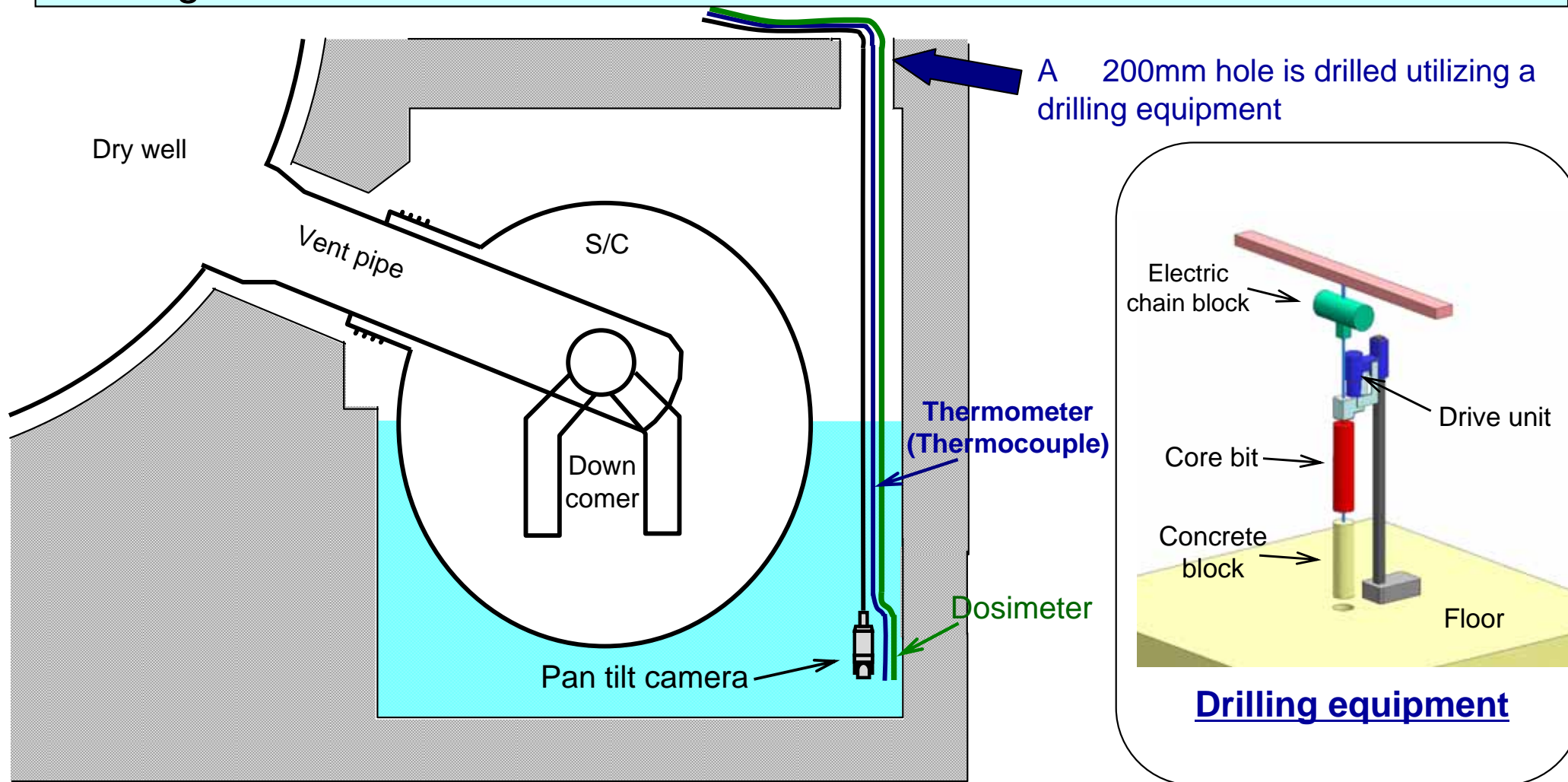


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TEPCO

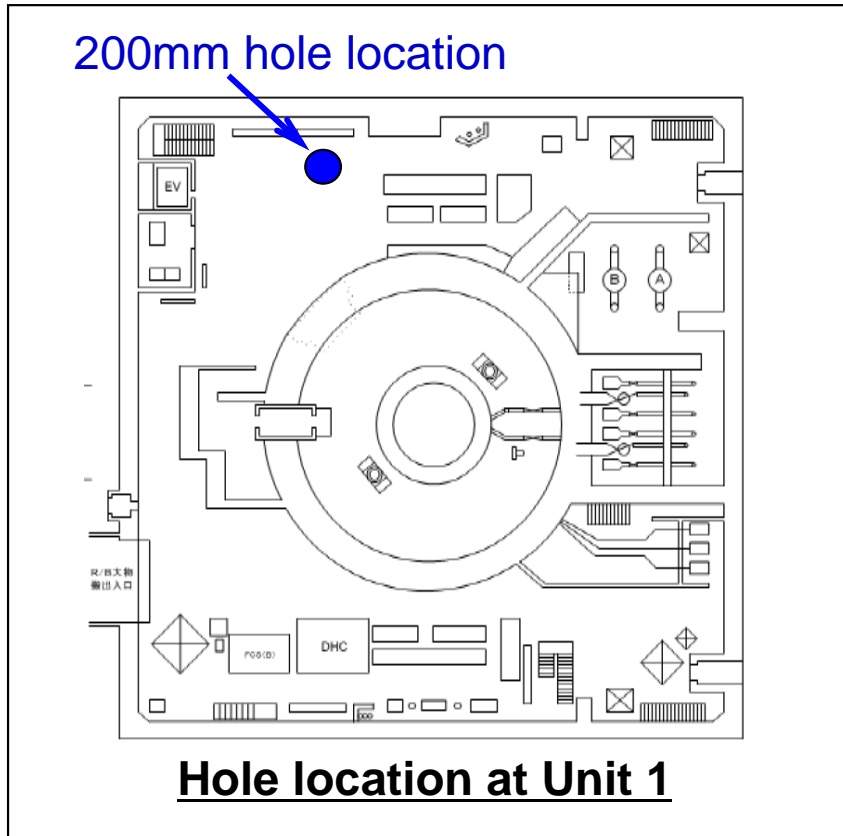
1. Investigation Method

A hole is drilled on the floor in the first floor of the Reactor Building utilizing a drilling equipment to insert a thermometer, a dosimeter and a camera for investigation.



Investigation

2. Condition of the Drilled hole



< Photo of the drilled hole >

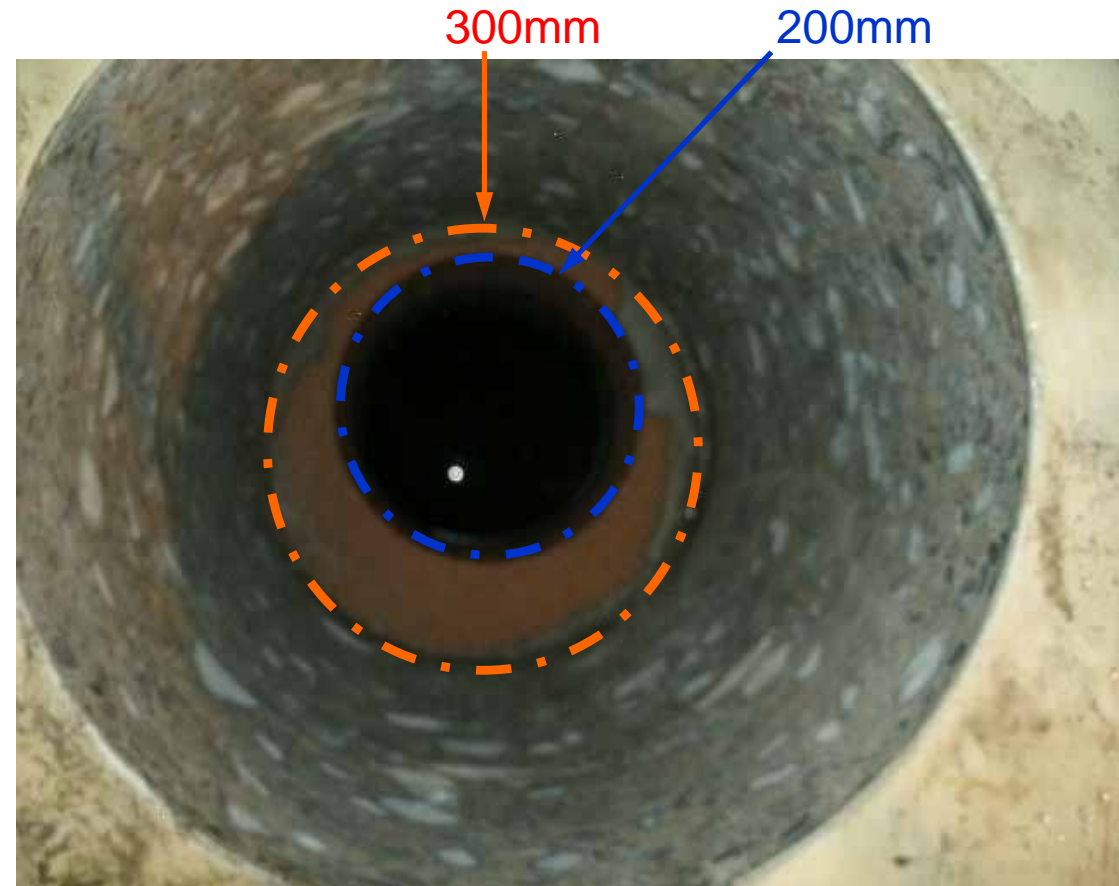
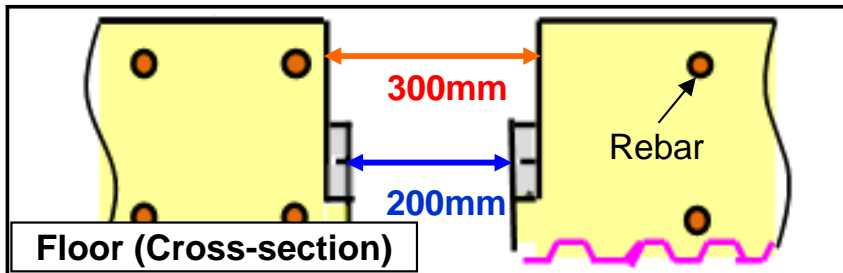


Photo taken by TEPCO on February 14, 2013



No obstacle interfering with the Torus Room investigation was found as a result of checking for obstacles all the way down to the water surface.

3. Results

Wednesday, February 13

Work done: Drilled a 300mm hole (not fully penetrating)

Maximum individual radiation dose: 1.43mSv

Thursday, February 14

Work done: Drilled a 200mm hole (fully penetrating)

Maximum individual radiation dose: 1.25mSv

<Notes>

- Hydrogen concentration: **No hydrogen was detected** in the work area on the first floor when drilling the hole.
- The atmosphere dose before hole drilling was approx. 1mSv/h. Though the dose right above the drilled hole increased afterwards, the investigation will be carried out as planned since no significant change has been found with the atmosphere dose at the site (approx. 1mSv).

Floor (Cross-section)

