

< Reference >

Results of Investigation of the Inside of Unit 2 PCV

March 19, 2013
Tokyo Electric Power Company

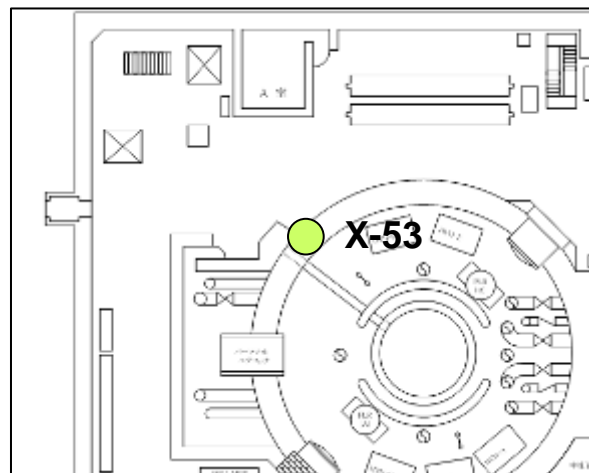


東京電力

1. Investigation Items

Today (March 19), the inside of the PCV has been investigated by inserting investigation equipment, etc. from X-53 penetration. The investigation items are as follows.

Item	Contents of investigation	Investigation equipment
Investigation of the inside of the PCV (Government project)	<ul style="list-style-type: none">- Investigation of the CRD replacement rail- Investigation of the area near the pedestal opening	CCD camera, dosimeter, thermometer
Sampling of accumulated water	<ul style="list-style-type: none">- Sampling and analysis of accumulated water	CCD camera, water sampler
Installation of the permanent monitoring instruments	<ul style="list-style-type: none">- Continuous monitoring of the ambient temperature and accumulated water temperature- Continuous monitoring of accumulated water level	CCD camera, thermocouple, water leakage detector



1st floor of Unit 2 R/B

2. Overview of Investigation

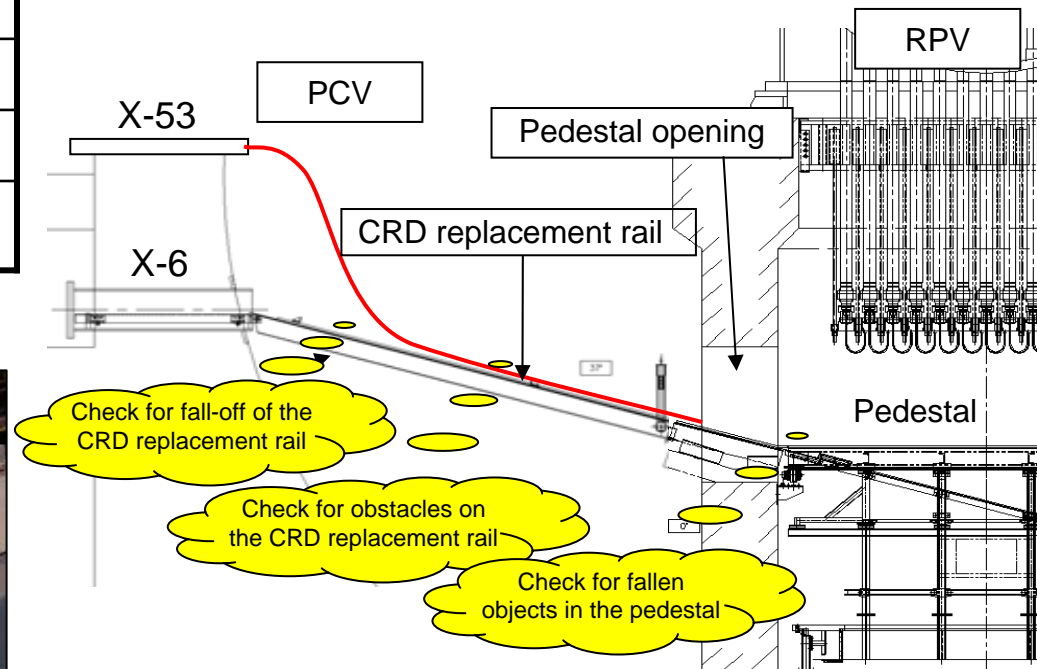
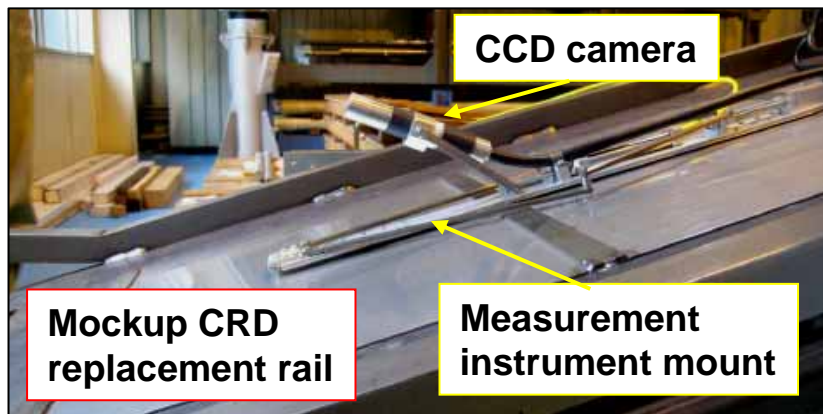
The CRD replacement rail and the area near the pedestal opening were investigated by inserting investigation equipment from X-53 penetration. The results obtained will be incorporated into the plan of full-scale investigation* (investigation of the inside of the pedestal to be performed through X-6 penetration).

*The investigation equipment will be inserted from X-6 through the CRD replacement rail into the pedestal.

Investigation items

Scope	Investigation item	Equipment
CRD replacement rail, area near the pedestal opening	Appearance	CCD camera
	Ambient dose	Dosimeter
	Ambient temperature	Thermocouple thermometer

Mockup for inserting investigation equipment



Scope of investigation of the inside of the PCV through X-53 penetration

3. Results of Investigation

Since the CRD replacement rail could not be found, the investigation of the rail and the area near the pedestal could not be performed. The camera was able to reach the upper part of the grating on the first floor.

< Condition of the inside > The amount of water dripping inside the PCV has decreased since the first entry.

The condition of the grating on the first floor is shown in the photo below.

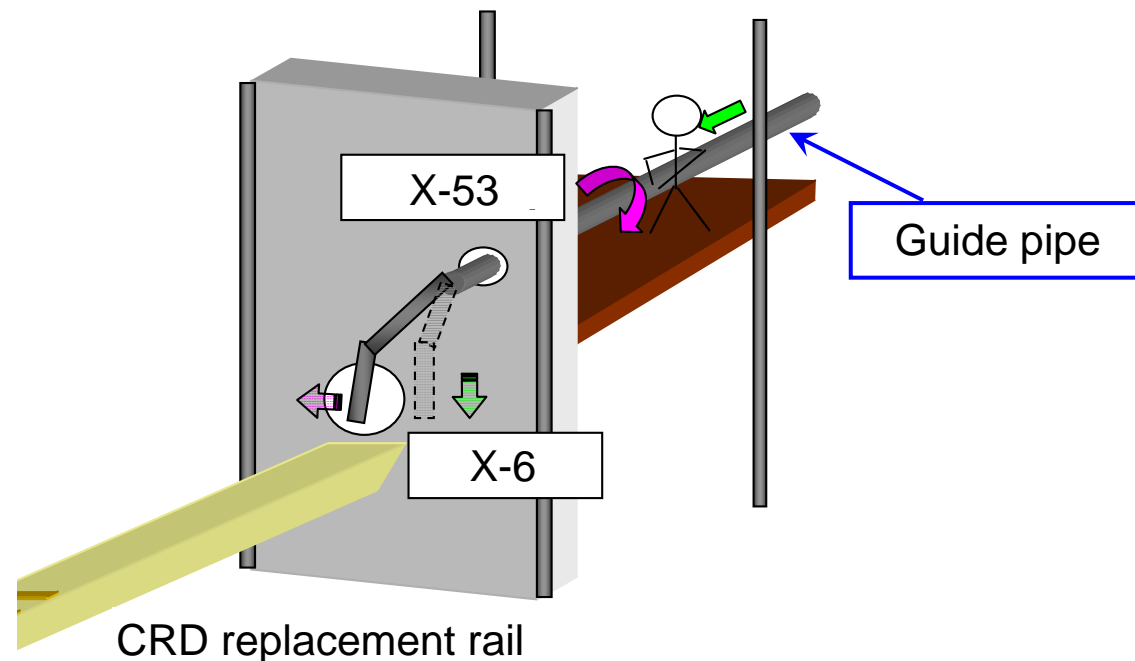


Ambient dose in the area where the photo was taken: Approx. 1Sv/h

Ambient temperature in the area where the photo was taken: Approx. 34

4. Others

Though the guide pipe was initially planned to be removed and wiped off before completing the work, work was finished with the guide pipe still inserted since it got stuck and the exposure dose was getting close to the planned dose. The guide pipe will be removed as soon as finding out how. The PCV penetration opening is sealed by an O ring.



5. Schedule

	2013
	March
<p>1. Investigation of the inside of the PCV</p> <p>2. Sampling of accumulated water in the PCV</p> <p>3. Installation of the permanent monitoring instruments in the PCV</p>	<p>Date of reinvestigation is under consideration.</p>

Today's maximum radiation exposure dose	1.95mSv (Planned: 3mSv)
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