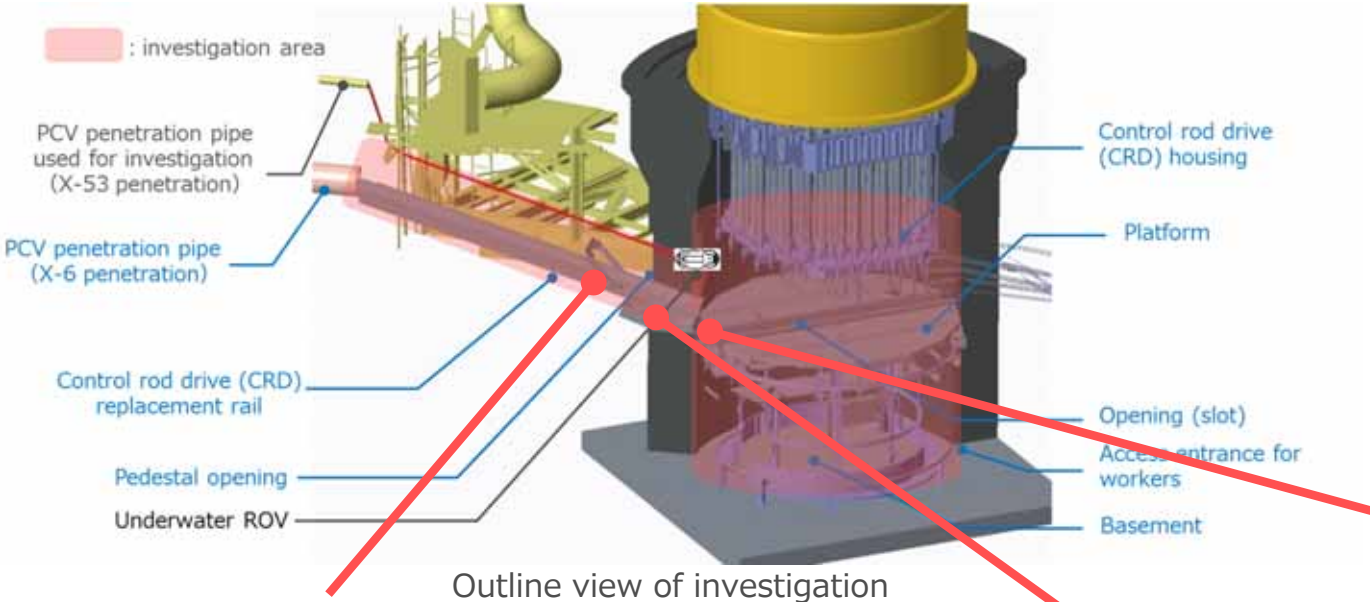
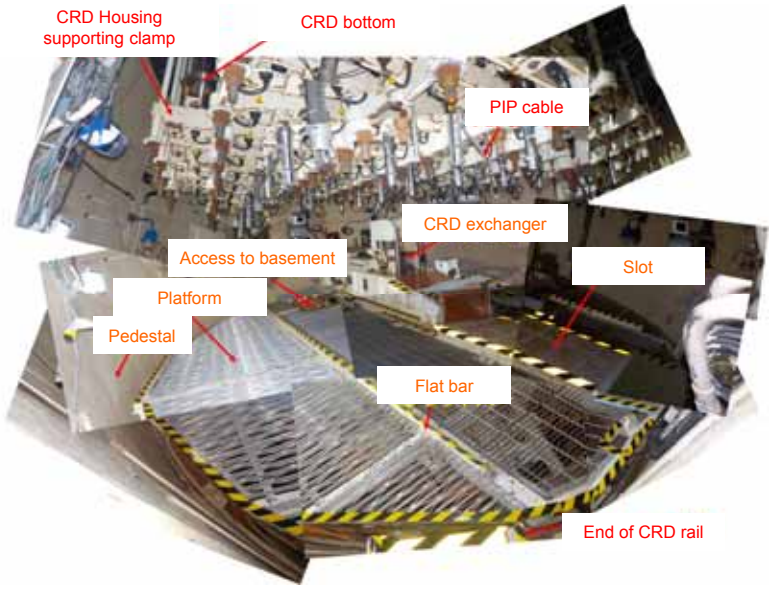
1. Progress of Unit 3 PCV internal investigation (1/2) (Preliminary report of July 19 investigation)

<Reference>
July 19, 2017
Tokyo Electric Power Company Holdings, Inc

- Showing the state of investigation below



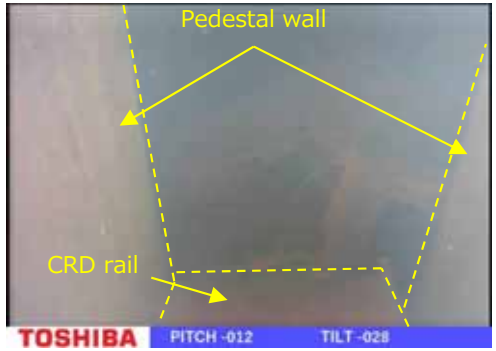
Outline view of investigation



Reference: inside the Unit 5 pedestal

CRD rail condition

CRD rail level difference

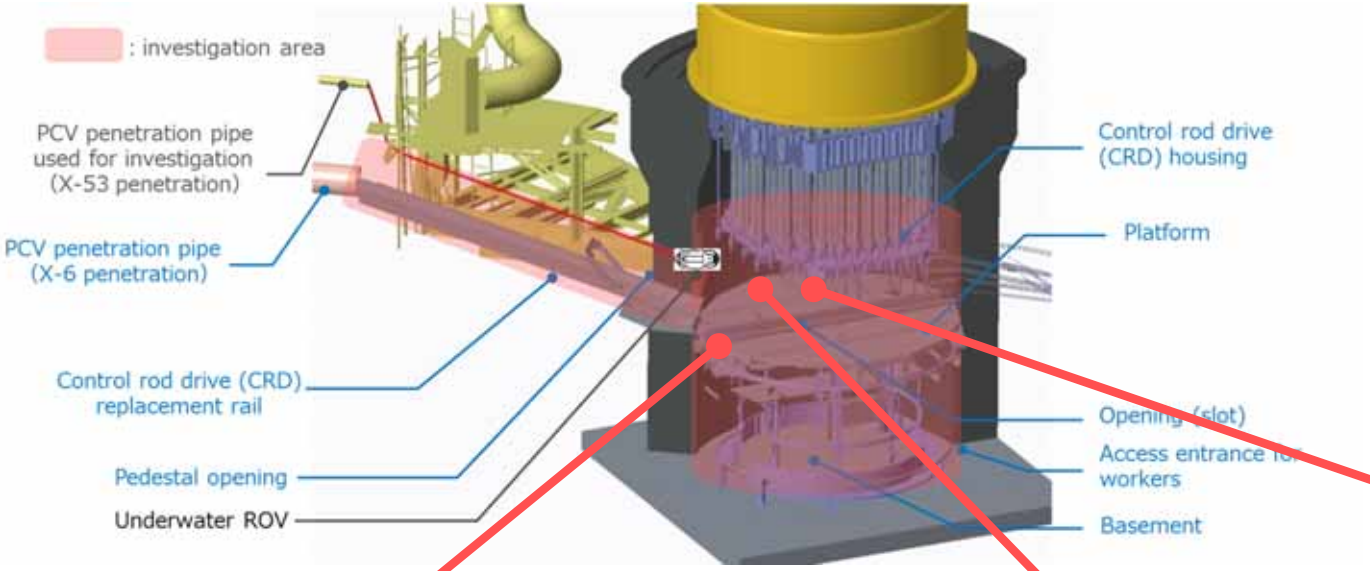


Pedestal opening

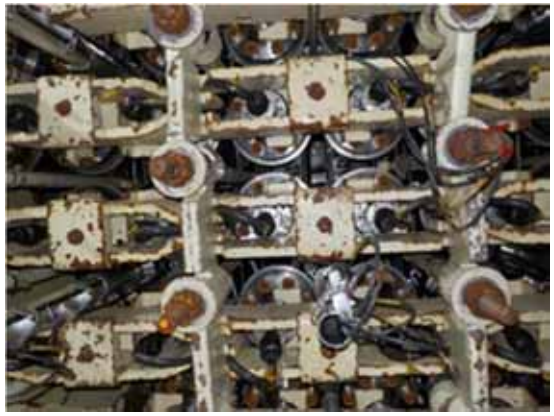
IRID TEPCO

1. Progress of Unit 3 PCV internal investigation (2/2) (Preliminary report of July 19 investigation)

- Showing the state of investigation below



Outline view of investigation



Reference: CRD housing and CRD housing supporting clamp inside the Unit 5

Platform condition

Bottom of the CRD housing

Bottom of the CRD housing

2. Overview of Exploration Results

① Today, July 19, we conducted a exploration of the inside of the Unit 3 primary containment vessel (PCV) by inserting a submersible ROV through the X-53 penetration seal. The ROV took photographs of the conditions inside the PCV around the pedestal opening and enabled us to achieve the objective of the exploration, which was to examine conditions inside the pedestal.

② Today's exploration revealed damage to multiple structures inside the pedestal and also that some of the support fittings for the CRD housing have fallen. Due to the scope of today's exploration we were not able to examine the grating above the platform.

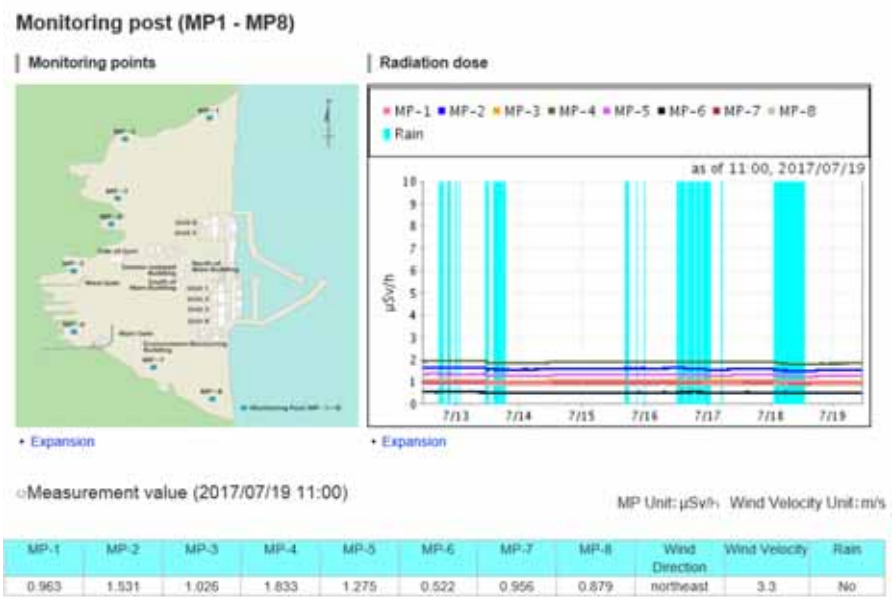
③ Plans for the second exploration, which is to be conducted on July 21, will be formulated based on the photographs taken today.

④ During today's exploration, visibility was decreased when sediment was churned up as the ROV approached structures, so plans for the second exploration will take this into consideration.

3. Impact to the surrounding environment（1/2）

- **Unit 3 internal investigation of PCV has been started from July 19. There are no impact has been occurred to the surrounding environment.**
- **The investigation is conduced while creating a boundary around the guiding pipe to prevent the air inside the PCV from leaking to the outside.**
- **No significant changes have been observed at the monitoring posts and dust monitors after the investigation, compared to the before.**
- **Real-time data of the monitoring posts and dust monitors along the site boundary are available on the website.**

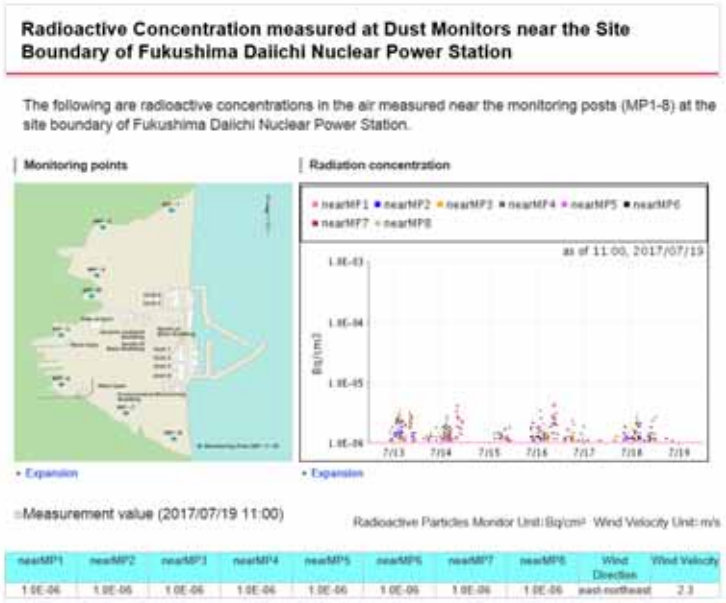
Reference URL : http://www.tepco.co.jp/en/nu/fukushima-np/f1/index-e.html
http://www.tepco.co.jp/en/nu/fukushima-np/f1/dustmonitor/index-e.html



MP-1	MP-2	MP-3	MP-4	MP-5	MP-6	MP-7	MP-8	Wind Direction	Wind Velocity	Rain
0.963	1.531	1.026	1.833	1.275	0.522	0.956	0.879	northeast	3.3	No

(As of 11:00 a.m. on July 19, 2017 : approx. 0.5-1.9 μSv/h)

*Radiation dose including the other influence than the PCV interior



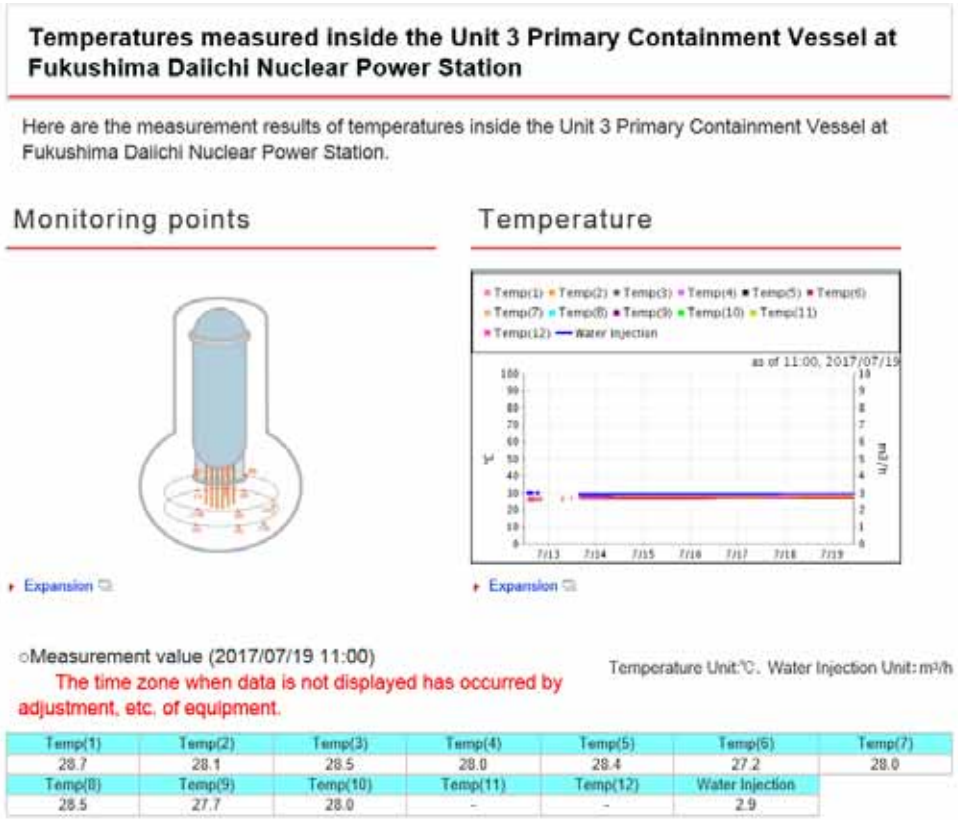
nearMP1	nearMP2	nearMP3	nearMP4	nearMP5	nearMP6	nearMP7	nearMP8	Wind Direction	Wind Velocity
1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	east-northeast	2.3

(As of 11:00 a.m. on July 19, 2017: 1.0E-06Bq/cm³)

3. Impact to the surrounding environment （2/2）

- **Plant parameters are monitored all the time during the investigation, and no significant changes have been observed in the PCV internal temperatures after the investigation, compared to the before. The condition of cold shutdown has not been changed.**
- **Temperature data inside the PCV are available on the website.**

  Reference URL： http://www.tepco.co.jp/en/nu/fukushima-np/f1/plantdata/unit3/pcv_index-e.html



Temperatures measured inside the Unit 3 Primary Containment Vessel at Fukushima Daiichi Nuclear Power Station

Here are the measurement results of temperatures inside the Unit 3 Primary Containment Vessel at Fukushima Daiichi Nuclear Power Station.

Monitoring points

Temperature

Expansion

Expansion

○Measurement value (2017/07/19 11:00)

The time zone when data is not displayed has occurred by adjustment, etc. of equipment.

Temperature Unit:℃, Water Injection Unit: m³/h

Temp(1)	Temp(2)	Temp(3)	Temp(4)	Temp(5)	Temp(6)	Temp(7)
28.7	28.1	28.5	28.0	28.4	27.2	28.0
Temp(8)	Temp(9)	Temp(10)	Temp(11)	Temp(12)	Water Injection	
28.5	27.7	28.0	-	-	2.9	

（ As of 11:00 a.m. on July 19, 2017 : about 27-29 ℃ ）