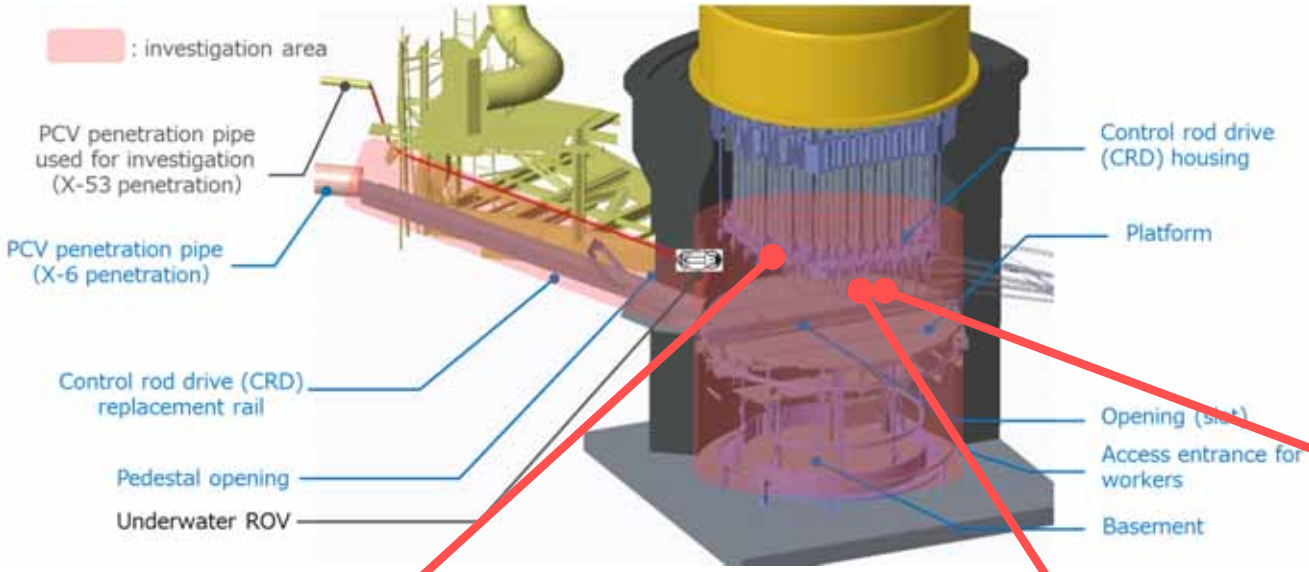
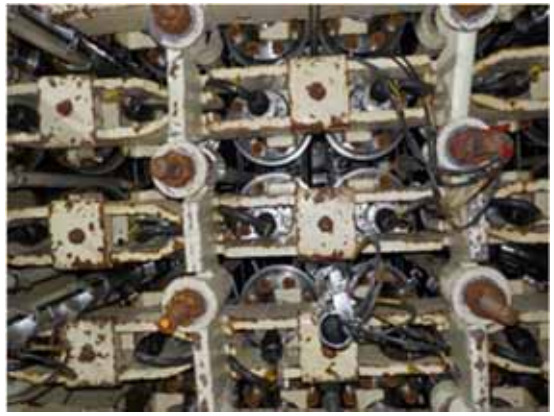
1. Progress of Unit 3 PCV internal investigation (Preliminary report of July 21 investigation) (1/3)

<Reference>
July 21, 2017
Tokyo Electric Power Company Holdings, Inc

- Today's investigation



Outline view of investigation



(ref) CRD housing at Unit 5 and CRD housing supporting clamp

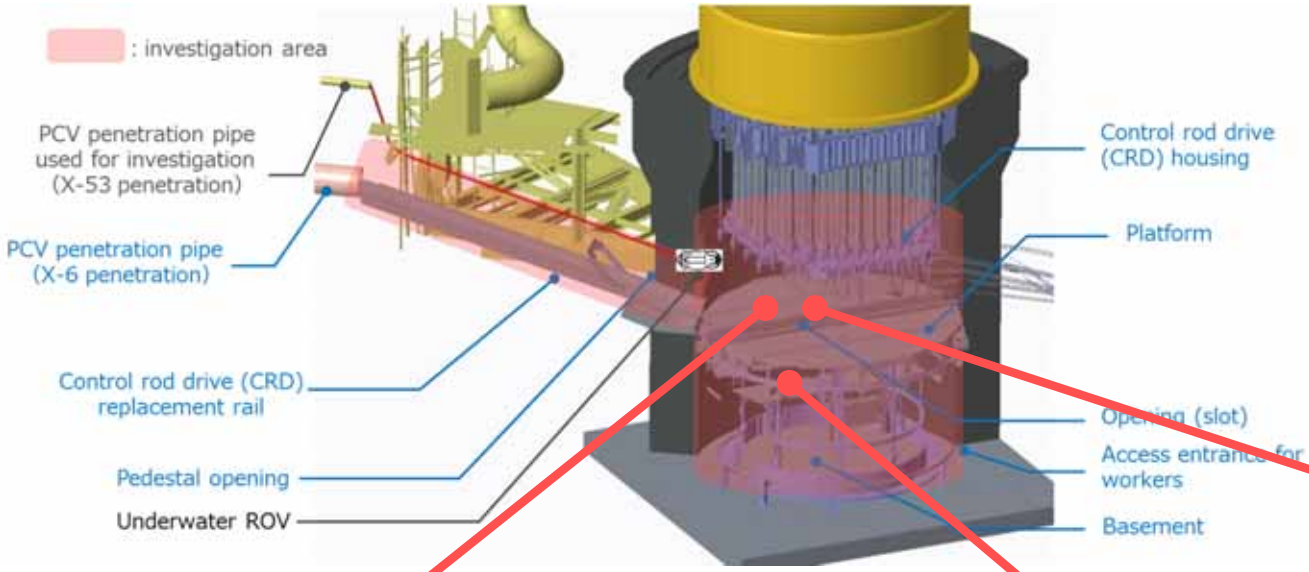
① Bottom of the CRD housing

② Bottom of the CRD housing

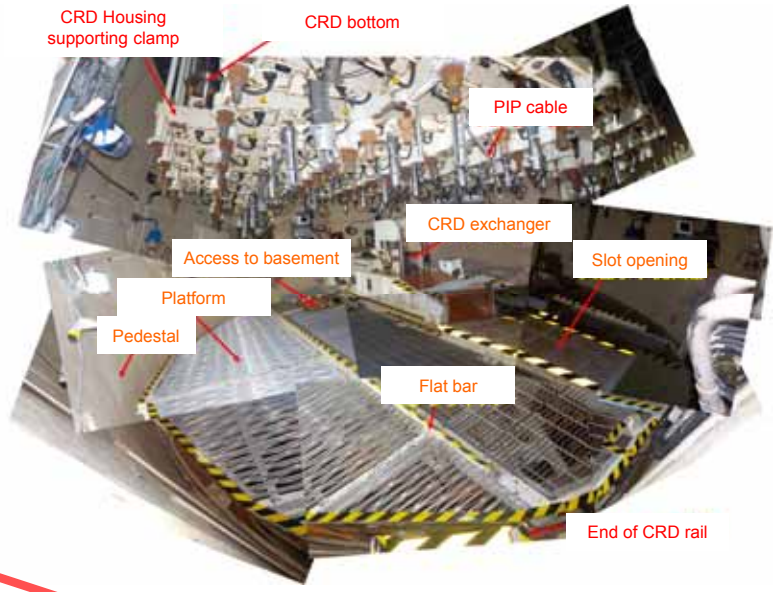
③ Bottom of the CRD housing

2. Progress of Unit 3 PCV internal investigation (Preliminary report of July 21 investigation) (2/3)

- Today's investigation



Outline view of investigation



Reference: inside the Unit 5 pedestal

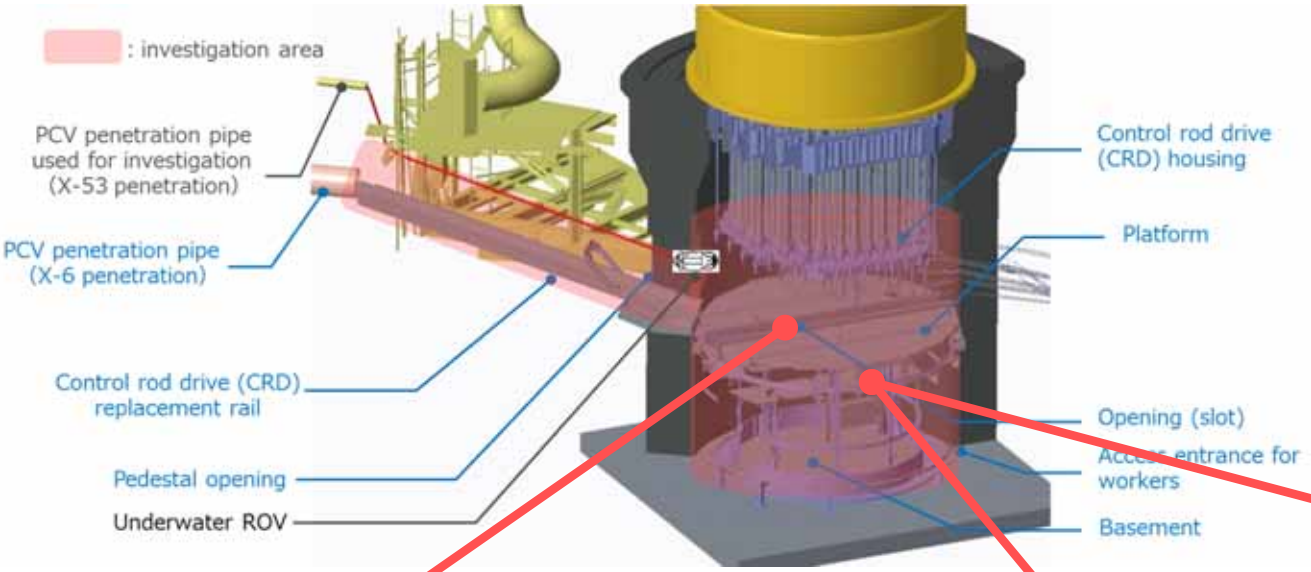
④ Nearby the platform

⑤ Nearby the platform

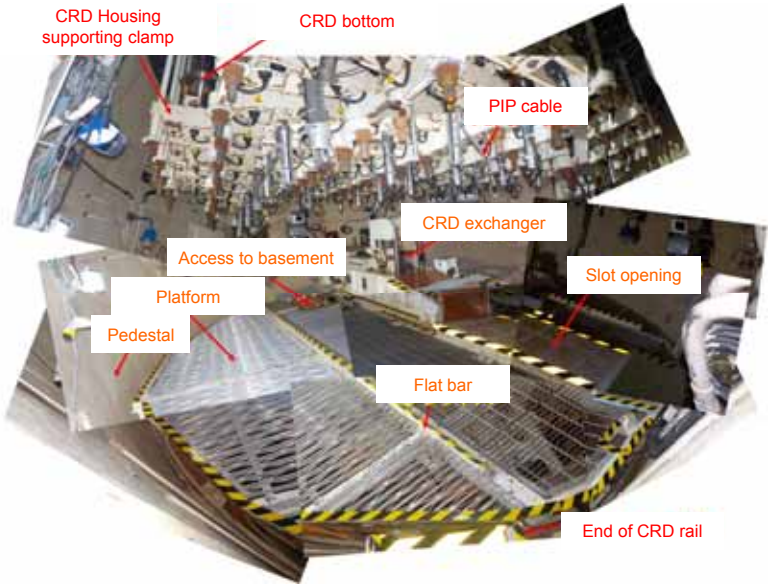
⑥ Nearby the platform

3. Progress of Unit 3 PCV internal investigation (Preliminary report of July 21 investigation) (3/3)

- Today's investigation



Outline view of investigation



Reference: inside the Unit 5 pedestal

⑦ Nearby the platform

⑧ Nearby the wall of pedestal

⑨ Nearby the wall of pedestal

2．Overview of Exploration Results

① Today, July 21, we conducted an underwater robot ROV exploration inside the Unit 3 Primary Containment Vessel (PCV) with the aim of examining conditions inside the PCV from upper pedestal of the PCV.

② As a result, we could examine likely melted materials that are consolidated and some fallen substances.

③ Like the first exploration, we could confirm multiple damaged substances and some part of the Control Rod Drive (CRD) housing supporting clamp inside of the pedestal. Within the range of exploration today, we were not able to identify the grating on the platform.

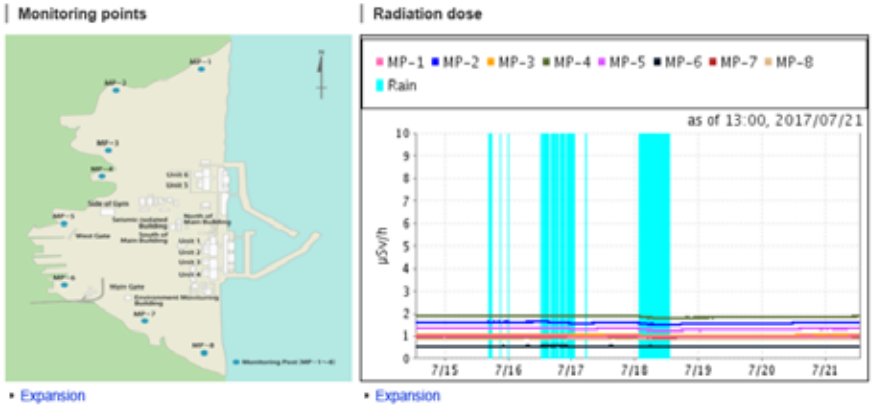
④ Tomorrow, July 22, we will conduct the third exploration to reach to the basement of the pedestal. There is a possibility that the ROV will not be collected because of multiple fallen substances.

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

- **Unit 3 internal investigation of PCV has been started from July 19. 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

Monitoring post (MP1 - MP8)



○Measurement value (2017/07/21 13:00)

MP Unit: μSv/h Wind Velocity Unit: m/s

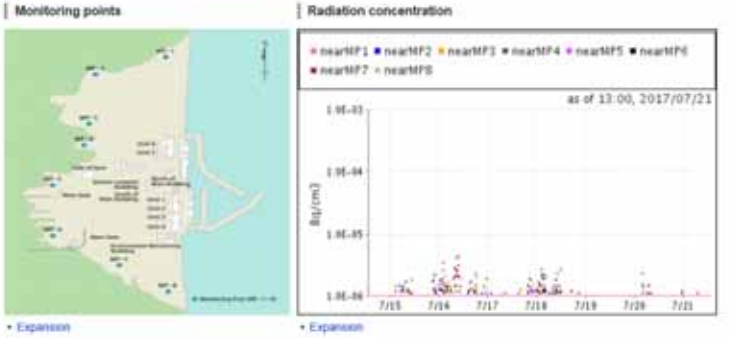
MP-1	MP-2	MP-3	MP-4	MP-5	MP-6	MP-7	MP-8	Wind Direction	Wind Velocity	Rain
1.002	1.585	1.060	1.877	1.322	0.531	0.972	0.891	south	11.6	No

(As of 1:00 p.m. on July 21, 2017 : approx. 0.5-1.9 μSv/h)

*Radiation dose including the other influence than the PCV interior

Radioactive Concentration measured at Dust Monitors near the Site Boundary of Fukushima Daiichi Nuclear Power Station

The following are radioactive concentrations in the air measured near the monitoring posts (MP1-8) at the site boundary of Fukushima Daiichi Nuclear Power Station.



○Measurement value (2017/07/21 13:00)

Radioactive Particles Monitor Unit: Bq/cm³ Wind Velocity Unit: m/s

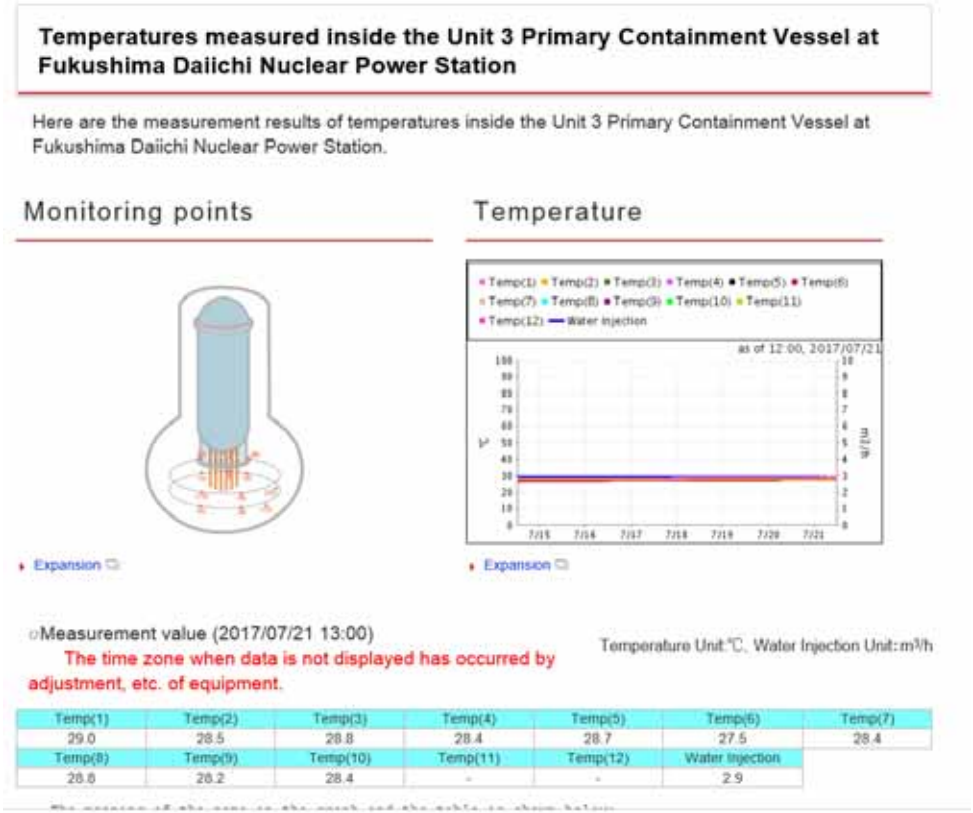
								Wind Direction	Wind Velocity
1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	south-southeast	6.7

(As of 1:00 p.m. on July 21, 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 (2017/07/21 13:00)

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)
29.0	28.5	28.8	28.4	28.7	27.5	28.4
Temp(8)	Temp(9)	Temp(10)	Temp(11)	Temp(12)	Water Injection	
28.8	28.2	28.4	-	-	2.9	

(As of 1:00 p.m. on July 21, 2017 : about 27-29 ℃)