Inside Investigation of the Reactor Well, the RPV and the Spent Fuel Pool of Unit 4 at Fukushima Daiichi Nuclear Power Station

August 2, 2013

Tokyo Electric Power Company

TEPCO 東京電力

Purpose and Overview of the Investigation

Inside Investigation of the reactor well, the RPV and the spent fuel pool, which is the supplement of the previous investigation*, toward debris removal in the spent fuel pool, etc. ahead of spent fuel removal work at Unit 4 is as follows.

[Overview of the investigation]

- Confirmation of debris distribution inside the reactor well, RPV and the condition of equipment related to shroud replacement construction

- Confirmation of debris distribution inside the spent fuel pool

- Confirmation of transfer route of equipment inside the reactor

* On March 15, 2012, investigation of debris at the bottom of the RPV was performed.
From March 19 to 21, 2012, investigation of debris inside the spent fuel pool was performed.

<Investigation schedule (tentative)>

From August 5 to 7: Investigation of the inside of the reactor well and the RPV

From August 8 to 9: Investigation of the inside of the spent fuel pool

<Work plan>

■Implementation unit: 23 people/day

■Planned dose: 2.0 mSv/day/person

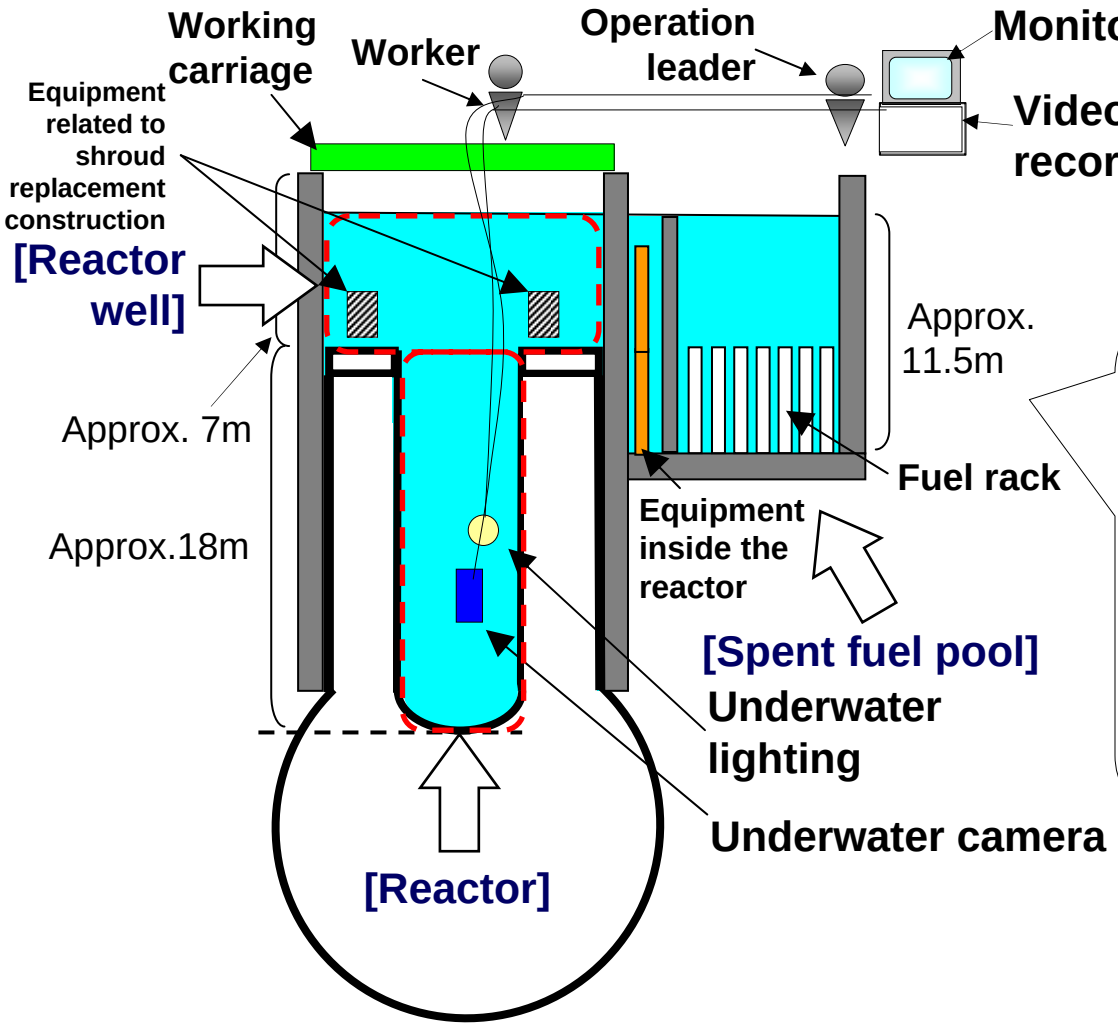
Investigation of the Inside of the Reactor Well and the RPV

[Purpose of the work]

- To confirm the condition of debris distribution and equipment related to shroud replacement construction toward installation of a water purification system inside the reactor well.

- To confirm debris distribution of the inside of the reactor in order to transfer equipment inside the reactor * to the bottom part of the RPV, which is temporarily placed in a cask pit.

* Control rod, fuel support, control rod guide pipe



<Work procedures>

- An underwater camera is put in from a working carriage above the reactor well.

- An underwater lighting is hung down with the underwater camera from the working carriage.

- Condition of the bottom of the reactor is investigated as far as we can observe by receiving a image from the underwater camera.

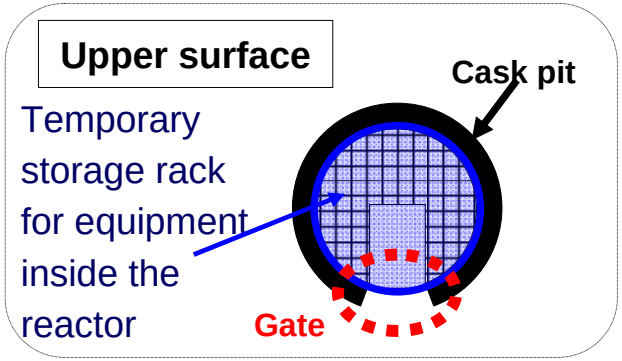
* The work procedures are subject to change according to a condition at the site.

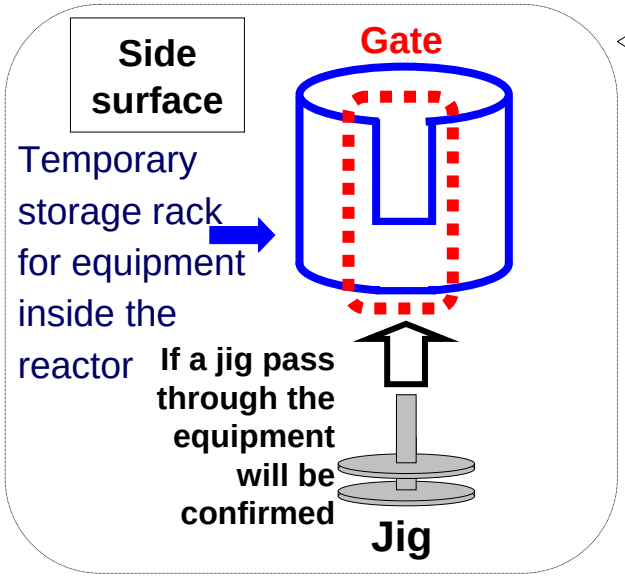
Investigation of the Inside of the Spent Fuel Pool

[Purpose of the work]

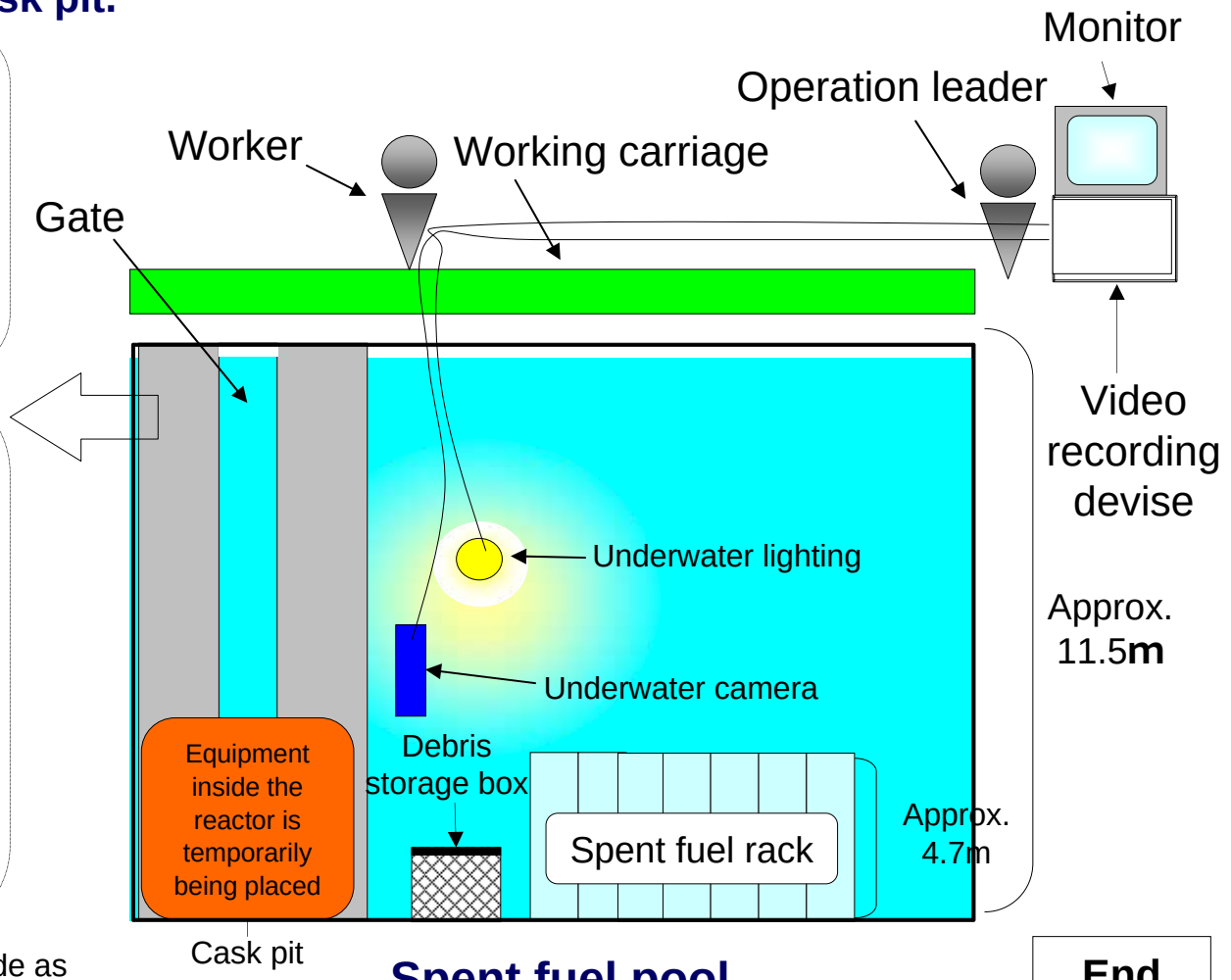
- To check debris distribution of a location where a storage box, which is used to store the debris collected, will be placed.

- To confirm transfer route in order to transfer the equipment inside the reactor from the temporary storage rack in a cask pit.





It will be confirmed that if a jig, which is made as the same size of the equipment inside the reactor, pass through the temporary storage rack.



Spent fuel pool

End