

<Purpose of the work>

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>

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 and the reactor well (additional investigation)

<Work plan>

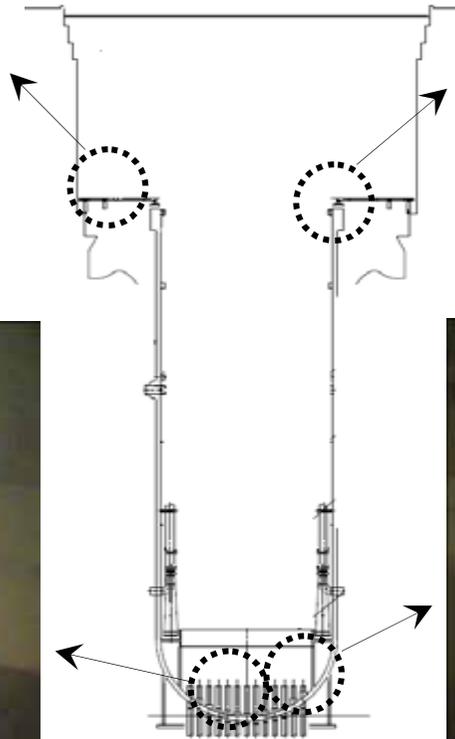
■ Implementation unit: Approx. 23 people/day

■ Planned dose: 0.19 mSv/day/person (maximum dose during the period of August 5 to 9)

Investigation Results (Inside the Reactor Well and the Reactor)



Equipments related to shroud replacement construction



Deck plate



Debris at the bottom part of RPV



Equipments related to shroud replacement construction

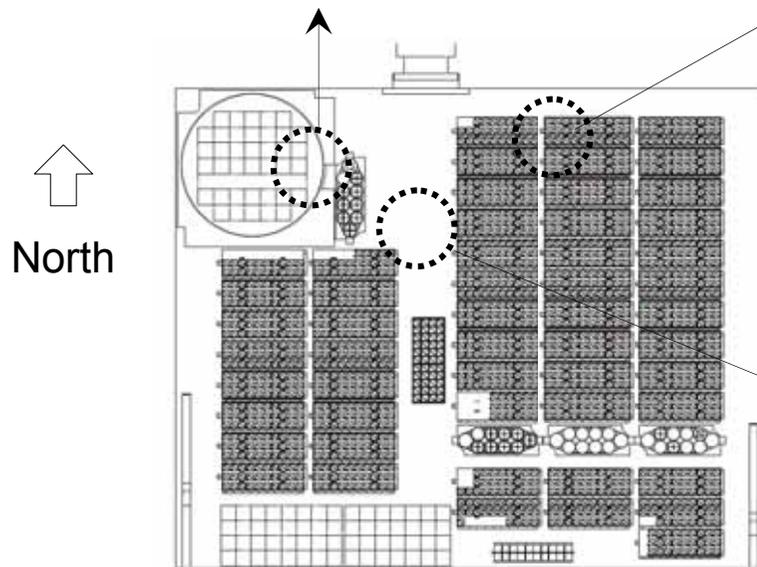
Investigation Results (Inside the Spent Fuel Pool)



Cask pit inside the SFP (Transfer route of the equipments inside the reactor was confirmed)



Work carriage ladder (debris) inside the SFP



Bottom part of the SFP

SFP: Spent fuel pool

Evaluation of the Investigation Results

■ Followings were confirmed by this investigation.

- As for the debris distribution of the inside of the reactor well, of the RPV and of the spent fuel pool, we have found that there is no significant change from the previous investigation. Therefore, there is no particular problem to perform the debris removal work.

- As we checked the condition of the equipment related to shroud replacement construction, which has been remained since the disaster was occurred, we have found that there is no particular problem to perform installation of working equipments.

- As we checked by a specialized jig if the equipment inside the reactor in the cask pit can be transferred, we found that it cannot pass through the cask pit gate as it is, due to displacement of a temporary storage rack for equipment inside the reactor by the earthquake. However, it was found that if we correct a position of the temporary storage rack for equipment inside the reactor as planned, it can be transferred.

The investigation results obtained this time will be reflected to a debris removal work of the inside of the SFP and transfer of equipments inside the reactor, which will be started from the late August.

End