

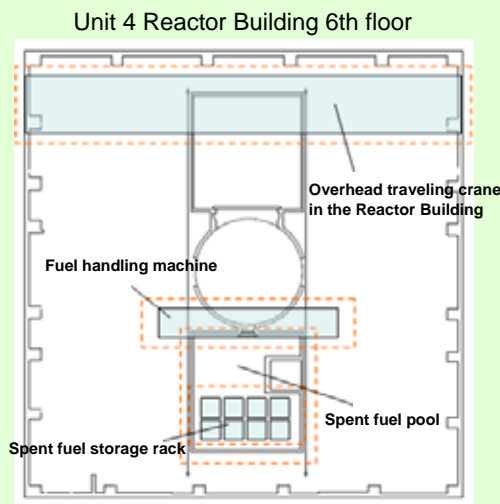
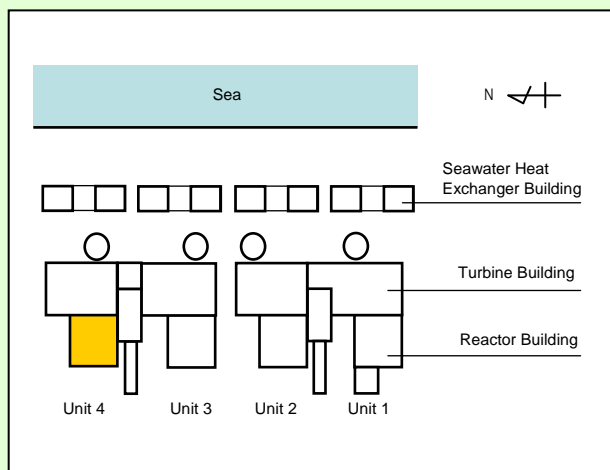
## Inspection of the equipments necessary for Unit 4 reactor fuel removal

-From the perspective of simplified equipment maintenance\*, the fuel loaded in the reactor is moved to the spent fuel pool after the soundness inspection of the equipments necessary for opening the reactor and moving the fuel is completed. (Press release issued on January 31, 2012)

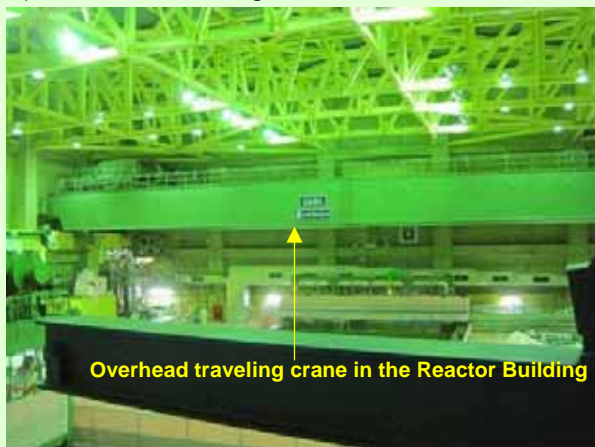
-As for Unit 4, the permanent installation of equipments/facilities necessary to maintain cold shutdown state was completed on May 17, 2012. The inspection of the equipments necessary for fuel removal has been completed on June 26, 2012, and the soundness of these equipments has been confirmed on July 2, 2012. Once preparation is completed, the reactor will be opened to move the fuel to the spent fuel pool.

\*Simplified equipment maintenance

Storing all the fuel in the spent fuel pool contributes to enhanced safety management.



### 1) Overhead traveling crane in the Reactor Building



Overhead traveling crane in the Reactor Building  
(Unit 4 Reactor Building 6th floor)  
(Photo taken on June 15, 2012)

#### Usage

Used to lift up the RPV lid to open the reactor

#### Inspection

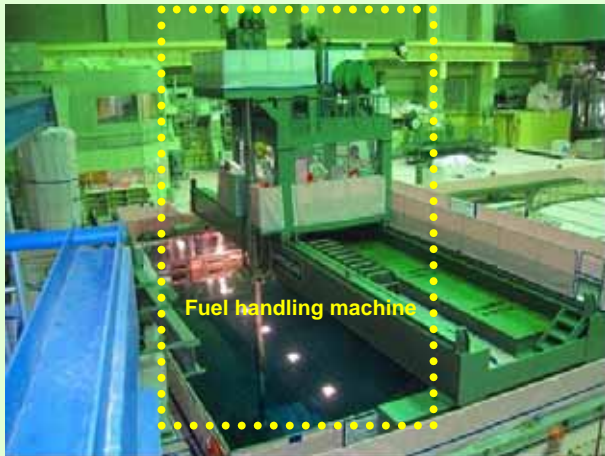
Annual inspection based on regulations, periodic operator inspection, equipment inspection assuming earthquakes, visual inspection of electric equipments, insulation resistance measurement, operation test

#### Inspection Result

Minor damages were found with the limit switch\* and it has been replaced. As no issue was found with the critical parts, safety is assured for fuel removal.

\*Limit switch: Detects the crane location to control its operation.

## 2) Fuel handling machine



Fuel handling machine (Unit 4 Reactor Building 6th floor)  
(Photo taken on June 15, 2012)

### Usage

Used to move the fuel to the spent fuel pool

### Inspection

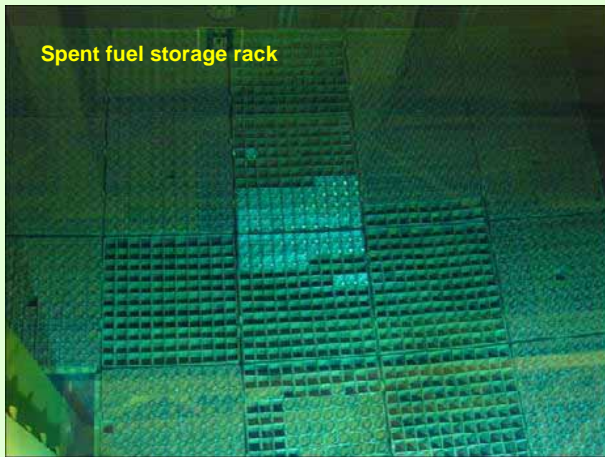
Appearance visual inspection, overhaul inspection, internal performance test, equipment inspection assuming earthquakes, visual inspection of electric equipments, insulation resistance measurement, operation test

### Inspection Result

Minor damages were found with the limit switch\* and it has been replaced. As no issue was found with the critical parts, safety is assured for fuel removal.

\*Limit switch: Detects the location of fuel handling machine to control its operation.

## 3) Spent fuel storage rack



Spent fuel storage rack (Unit 4 Reactor Building 6th floor)  
(Photo taken on June 18, 2012)

### Usage

Used to store spent or new fuel

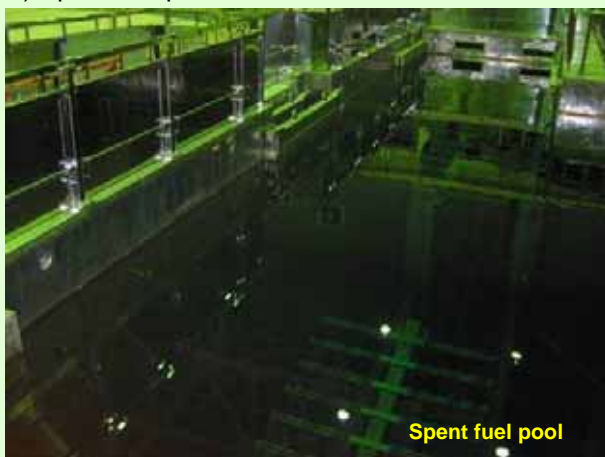
### Inspection

Appearance visual inspection, equipment inspection assuming earthquakes

### Inspection Result

No issue was found and safety is assured for fuel storage.

## 4) Spent fuel pool



Spent fuel pool (Unit 4 Reactor Building 6th floor)  
(Photo taken on June 15, 2012)

### Usage

Cools spent fuel and shuts off radiation from the spent fuel

### Inspection

Appearance visual inspection, equipment inspection assuming earthquakes

### Inspection Result

No issue was found and safety is assured for fuel storage.