

Outline of alternation in the maintenance plan of Units 1 to 4 of Fukushima Daini Nuclear Power Station

1. Submission of alternation in the maintenance plan

Since the Tohoku-Chihou-Taiheiyou-Okai Earthquake (2011) the plants of Units 1 to 4 of Fukushima Daini Nuclear Power Station are all shutdown and therefore we have established a special maintenance plan (long term preservation plan) for systems / equipment and so forth necessary for keeping cold shutdown of the reactors stable. On March 16, 2012, we submitted an alternation document in the maintenance plan to Nuclear and Industrial Safety Agency of Ministry of Economy, Trade and Industry.

2. Fundamental policy for a special maintenance plan (long term preservation plan)

In order to keep cold shutdown of the reactors stable, with regard to systems / equipment that requires continuation of operation or function, we will continue to take measures for maintenance based on inspection plans implemented so far but as the structure of the systems are not that under normal operations, we will also consider the operation status of each of the systems / equipment when we take the measures. As to the equipment that is not necessary for maintaining the cold shutdown or operating the plants, we will keep the current status or remove water and so forth.

(1) Equipment for function maintenance

- "Equipment necessary for keeping cold shutdown" in "Report on the implementation status of emergency measures" and equipment to comply with the safety regulation (equipment of maintaining cold shutdown).
- Equipment necessary for maintaining and operating plants other than the above (equipment for plant maintenance and operation)

(2) Items to implement in order to maintain function

- In order to check the soundness of equipment, we apply status monitoring manner that can detect extraordinary events (status monitoring technology, regular tests (voluntary safety tests), patrolling and so forth)
- Implement voluntary safety tests in order to check the soundness of standby status and inspections such as disassemble inspection or opening inspection if necessary in order to maintain function.

3. Points of alternation in the maintenance plan (special maintenance plan) [E.g. Unit 1]

Fukushima Daini NPS Unit 1: Maintenance plan (the 21st maintenance cycle)	
Contents	
Commencement date and application period of 21st maintenance cycle / maintenance plan	
Maintenance action management index	
Maintenance plan	
1 . Inspection plan	
2 . Manner to judge regular inspections	
3 . Repairing, replacing and remodeling plan	
4 . Special maintenance plan	
5 . Safety management for inspections	
6 . Structure of maintenance	
Attachments	
Attachment - 1	Maintenance action management index
Attachment - 2	Inspection plan
Attachment - 3	Safety management plan for regular inspections
Attachment - 4	Special maintenance plan / Long term preservation plan
Reference	
Reference-1	Inspection plan
Reference-2	Repairing, replacing and remodeling plan (outline)
Reference-3	Structure of maintenance

I. Commencement date and application period

- Added some description on the special maintenance plan as the plants are shutdown

III 3. Repairing, replacing and remodeling plan

- Added "Unit 1 residual heat removal system cooling water pump (D) and emergency ancillary cooling water pump (B) temporary motor installment construction" (construction under submission) (*no constructions of Units 2 ~ 4)

III 4. Special maintenance plan

- Added description concerning a long-term preservation plan necessary for keeping cold shutdown of the reactors stable

Attachment - 4

- Attached a long-term preservation plan necessary for maintaining cold shutdown of the reactors stable