



Physical Ageing 【Regulatory System for LTO】

- ◆ Current regulatory system for ageing management consists of 1) Approval of extension for operation period and 2) Approval of technical evaluation on ageing related degradation.
- ◆ The system of extension for operation period is that the licensee conducts the assessment on the conformity to the technical requirements which can be maintained for a duration not exceeding 20 years based on forecasts of progression of ageing related degradation at the time of 40 years after the commencement of operation. Unless the NRA conducts the conformity review on its results and approves, the nuclear power plant cannot be operated over 40 years.
- ◆ The system of technical evaluation on ageing related degradation is that the licensee evaluates the progression of ageing every ten years after 30 years of operation and establishes the log-term facility management plan.
- ◆ The new regulatory system integrates aforementioned two systems that the licensee evaluates the progression of the ageing related degradation in an interval of not exceeding ten years after 30 years of operation and establishes the long-term facility management plan. Unless the NRA confirms or approves its plan, the nuclear power plant cannot be operated.
- ◆ In comparison to the current system, the new system is strengthened by the increase in frequency of regulatory review on the conformity to technical requirements every ten years and by requiring more detailed long-term facility management plan thereby more detailed regulatory review.

New regulatory system on ageing management

○ : The timing of regulatory review

