

# New Regulatory Requirements for Nuclear Power Plants

## < Previous Regulatory Requirements >

## < New Regulatory Requirements >

Design basis to prevent severe accidents  
(Confirm that a single failure would not lead to core damage)

Consideration of natural phenomena
Fire Protection
Reliability of power supply
Function of other SSCs*
Seismic/tsunami resistance

**Reinforcement of design criteria**  
**Expansion of consideration for external events**

Response to international aircraft crashes
Measures to suppress radioactive materials dispersion
Measures to prevent containment vessel failure
Measures to prevent core damage (Postulate multiple failures)
Consideration of internal flooding (newly introduced)
Consideration of natural phenomena in addition to earthquakes and tsunamis-volcanic eruptions, tornadoes and forest fires
Fire Protection (Use of flame retardant cable. other)
Reliability of power supply (Secure two independent lines. other)
Function of other SSCs (Enhance communication facilities. other)
Seismic/tsunami resistance (Setting of lake bank. other)

Newly introduced  
(measures against terrorism)

Newly introduced  
(measures against severe accidents)

Reinforced or newly introduced

Reinforced

\*SSC: Structure, Systems and Components