

# NPRE 457: HW 36

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The ESFs for PWRs are:

- control rods
- containment vessels
- containment spray system
- accumulator tanks
- residual heat removal system heat exchanger
- high pressure injection system
- low pressure injection system
- boron injection tank
- extra supply of cooling water in the refueling tank.

The ESFs for BWRs are:

- control rods
- containment-spray system
- residual heat removal heat exchanger
- high pressure coolant injection system
- low pressure coolant injection system
- internal core-spray system
- extra water in the condensate storage tank

The "China Syndrome" is the fear that the meltdown of a reactor core would produce corium that would melt through the entire earth and the core of the earth until it reaches China on the other side of the world.