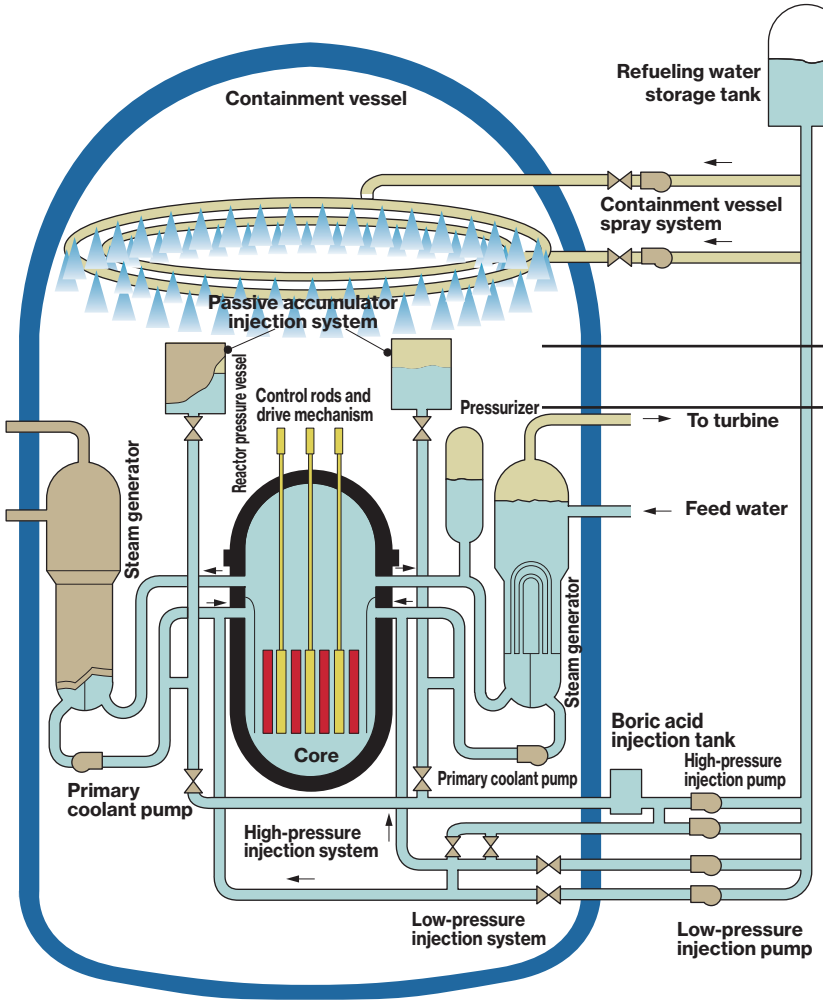
# Example of an Emergency Core Cooling System (PWR)




**Containment Vessel Spray System**

If pressure rises inside the containment vessel, water is sprayed inside the vessel to restrain the rise in pressure.

Containment vessel spray system

**Emergency Core Cooling System (ECCS)**

The ECCS injects water into the reactor core via the corresponding system, according to conditions inside the pressure vessel.

High-pressure injection system

Low-pressure injection system

Passive accumulator injection system



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