

WATER LEVEL CONTROL OF U-TUBE STEAM GENERATOR USING PID CONTROLLER

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The U-Tube Steam Generator (UTSG) is an important component of the nuclear power plant. The water level in the UTSG must be maintained in a safe range when the unit is working under fixed or variable conditions. . When the water level is too low the circuit will build heat within itself and the reactor will thus trip off. If the water level becomes too high the steam generated will contain more moisture and this will damage the turbine blades. Here a PID is used to study the variation of water level at different load conditions. The water level was found to be at satisfactory limits.

