

General Plant Description

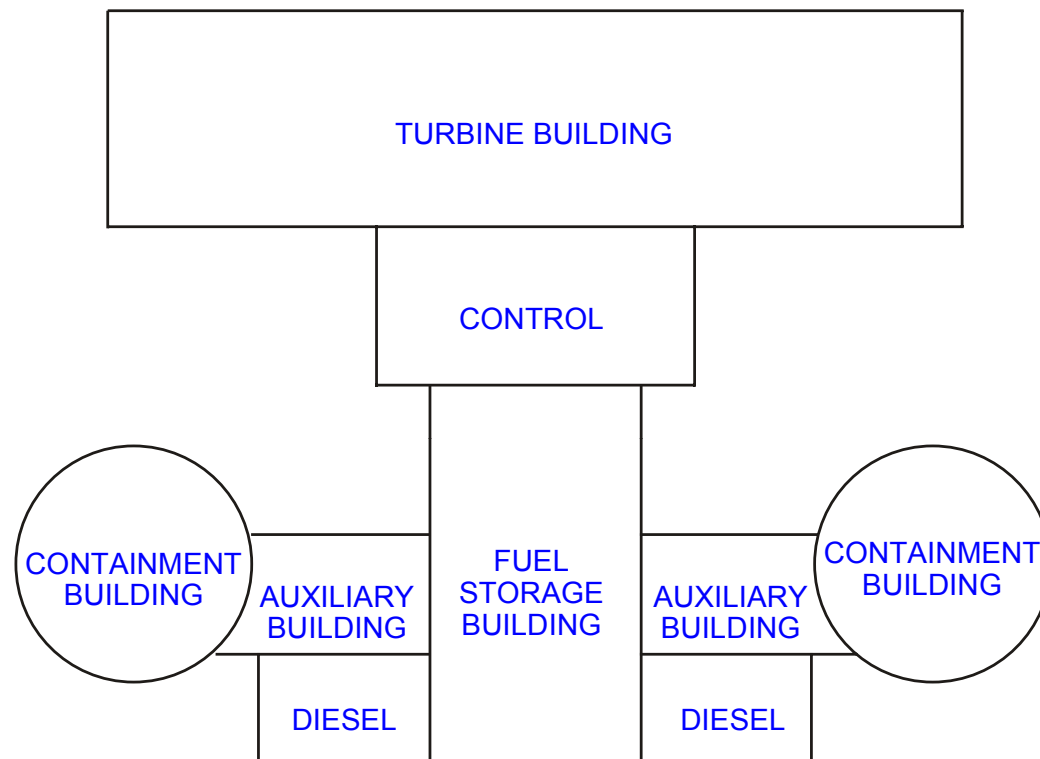
Chapter 2.1



Objectives

1. Identify the major components included in the primary and secondary cycles.
2. Describe how reactor coolant temperature and secondary system pressure change with load.
3. State the function of engineered safety features.
4. Describe how heat from the primary cycle and primary cycle components is rejected to the environment.

Figure 1-1 Plant Layout



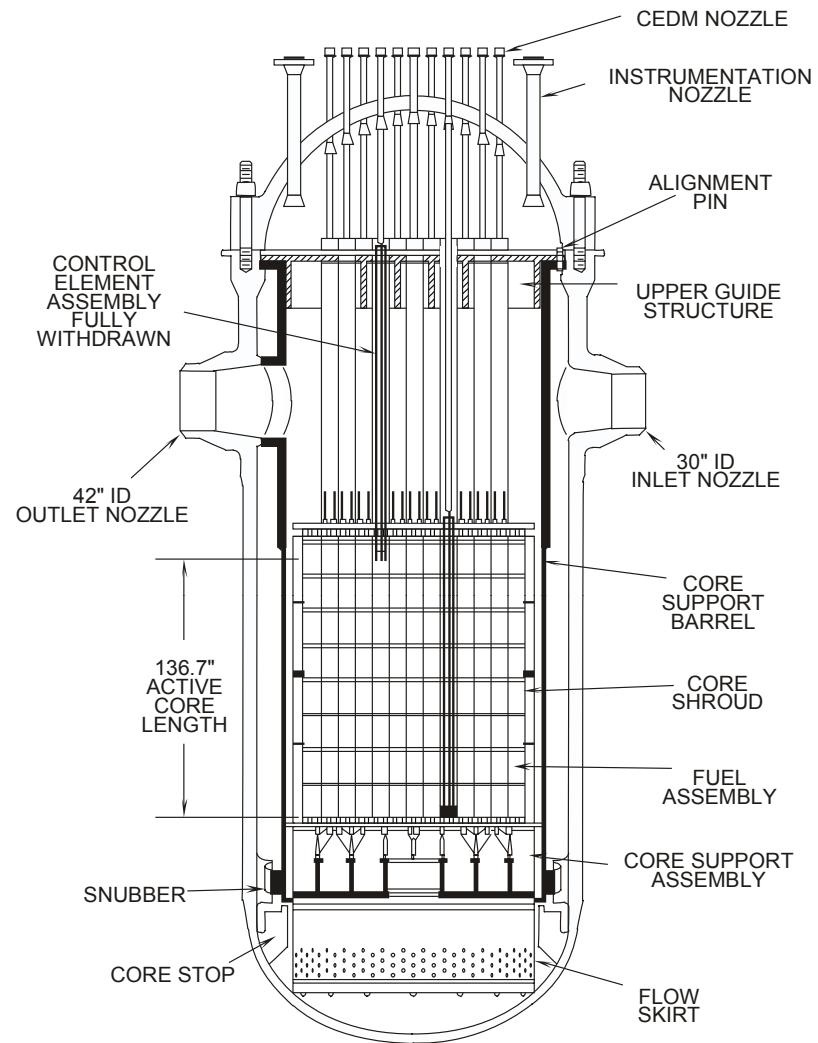


Figure 1-2 Reactor Vessel—Vertical Arrangement

Figure 1-3 Reactor Coolant System

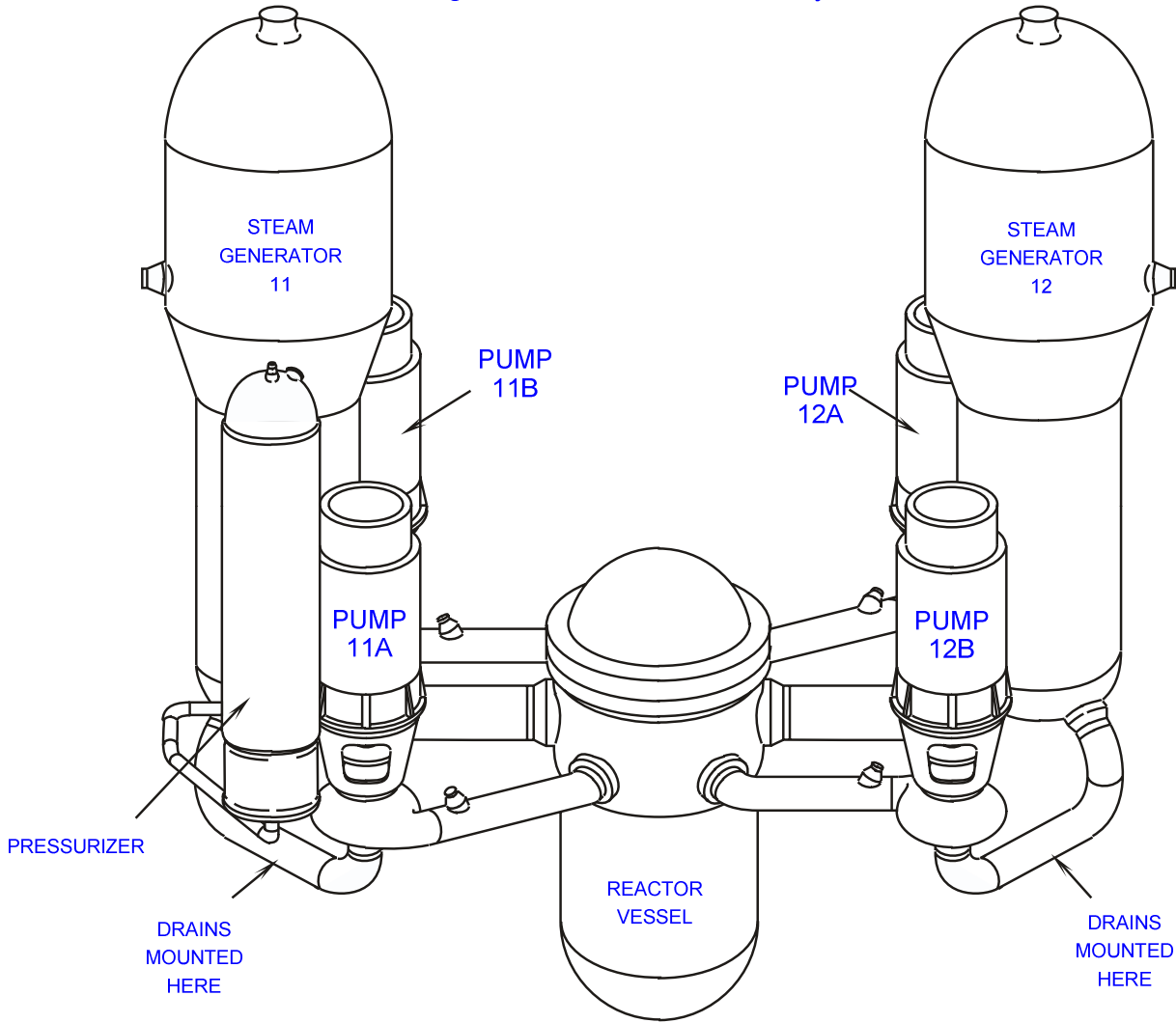


Figure 1-4 Emergency Core Cooling System

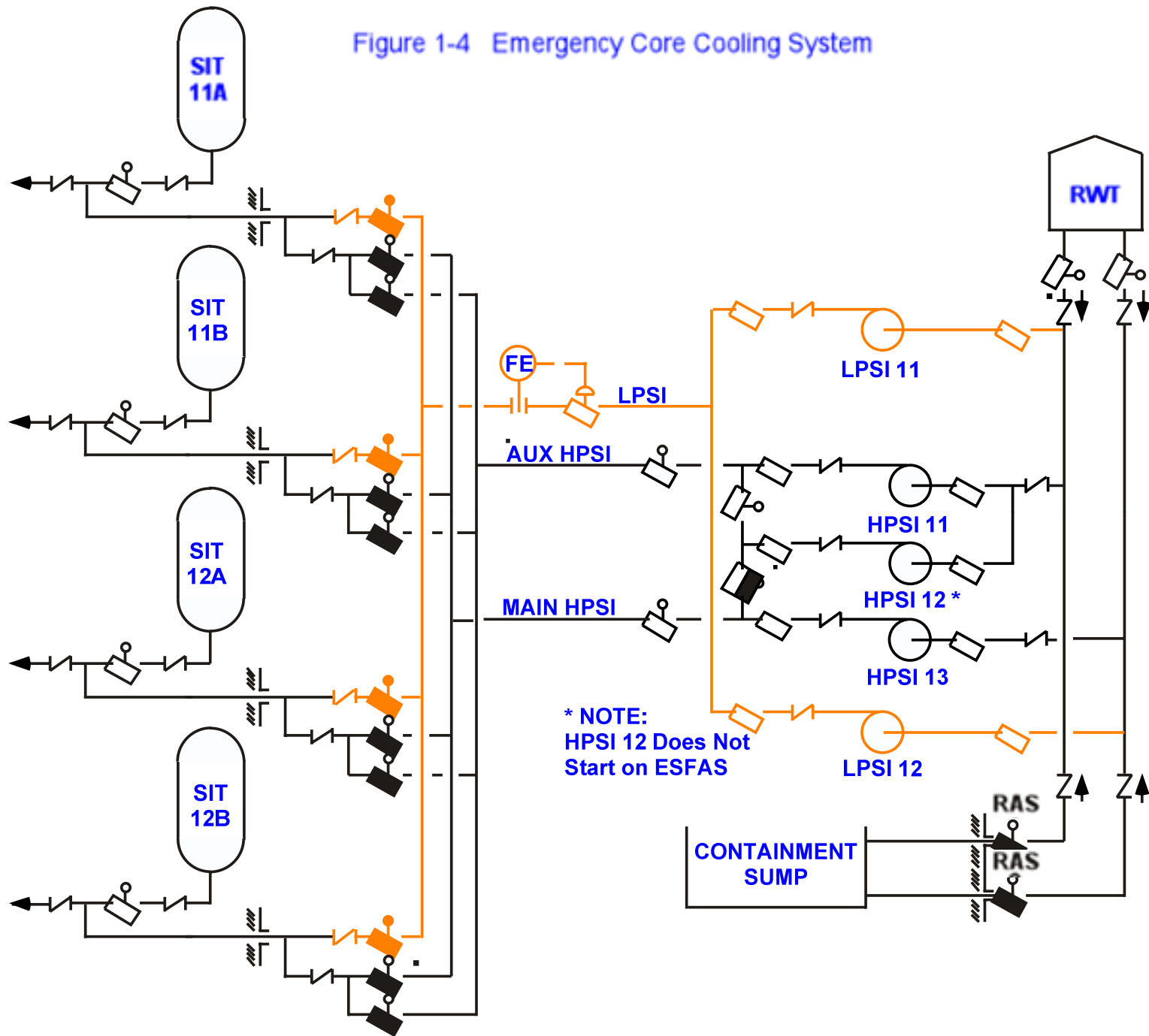


Figure 1-5 RPS Logic

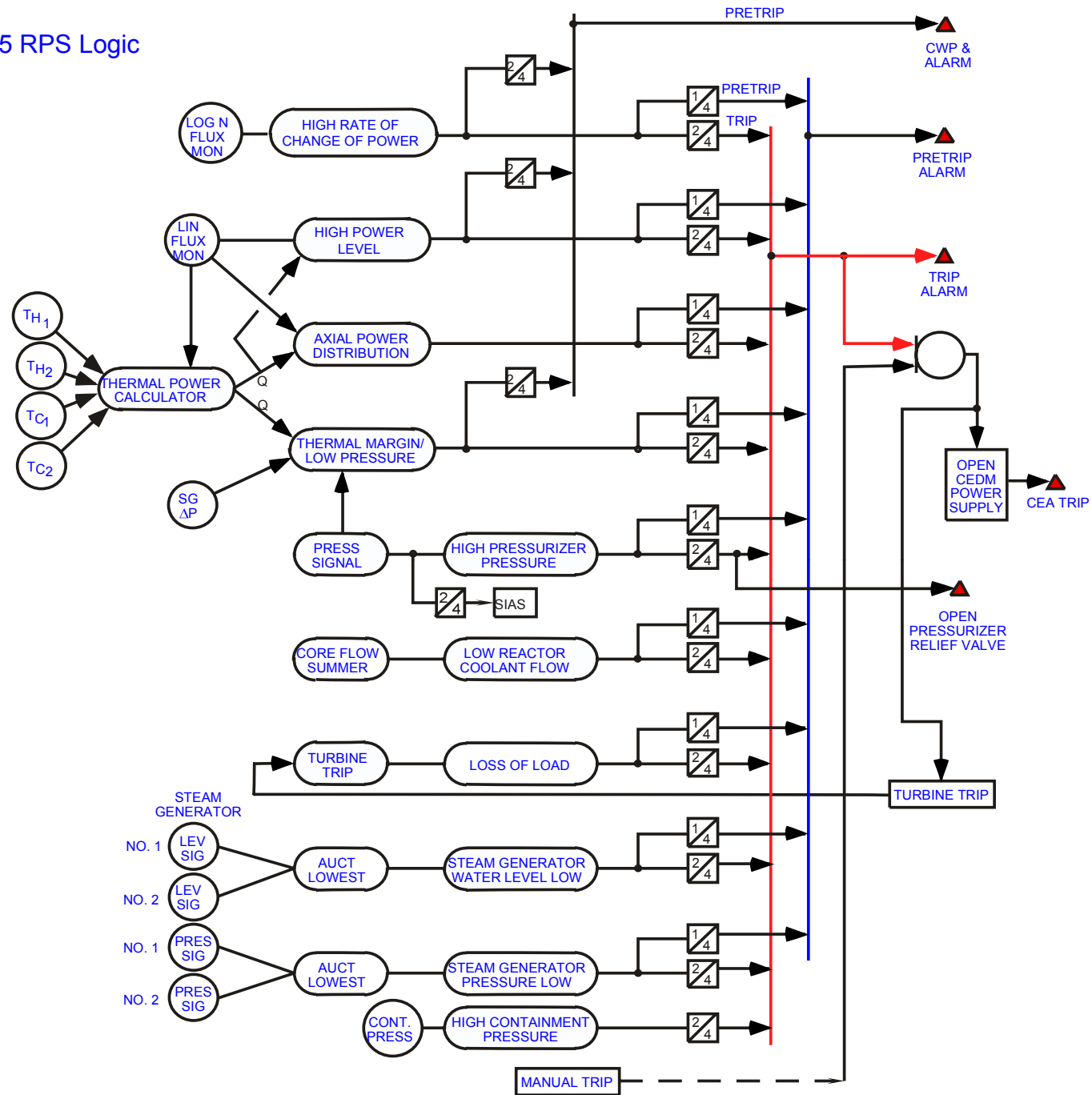


Figure 1-6 RCS Temperature Program

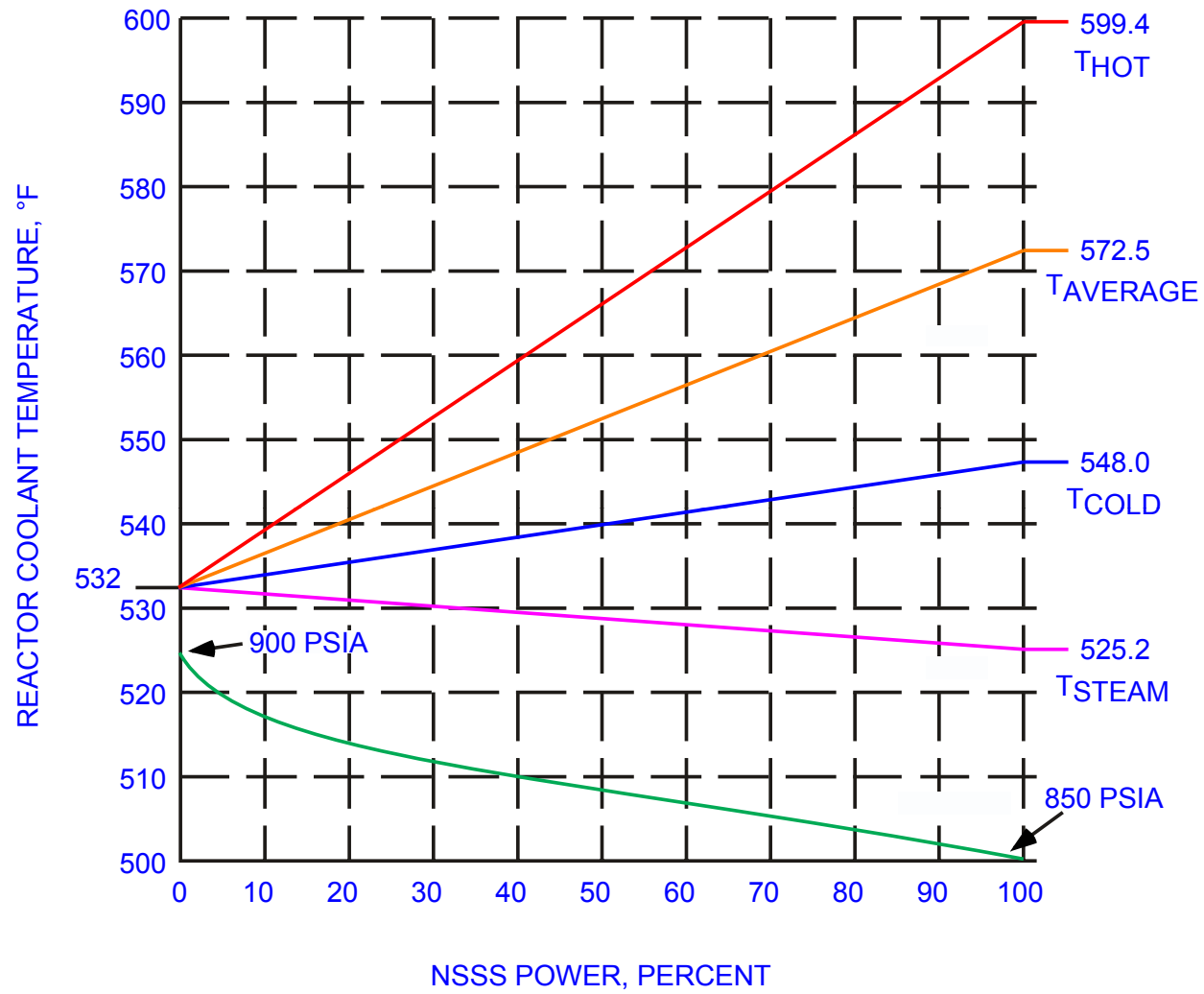


Figure 1-7 Simplified Chemical and Volume Control System

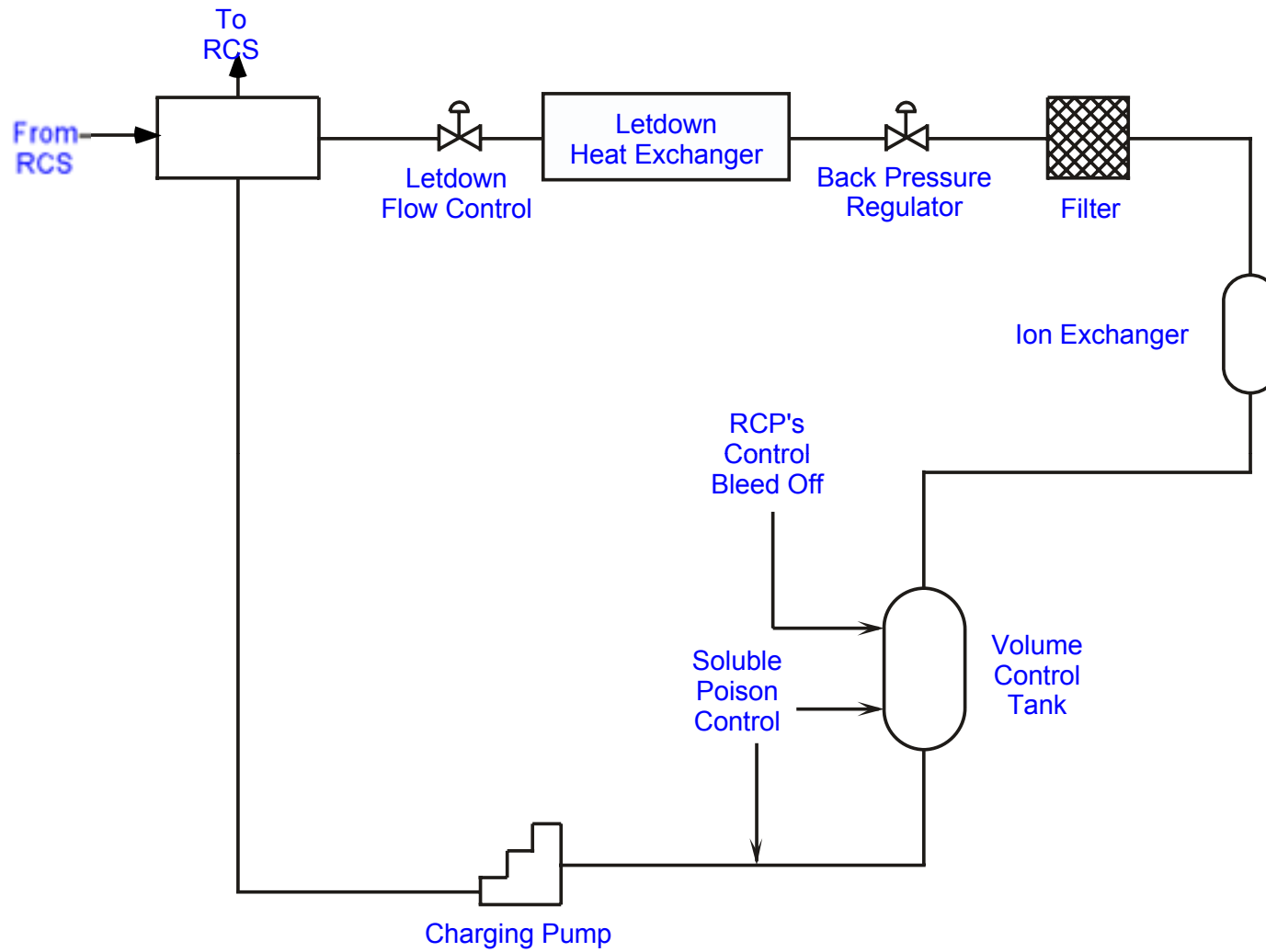
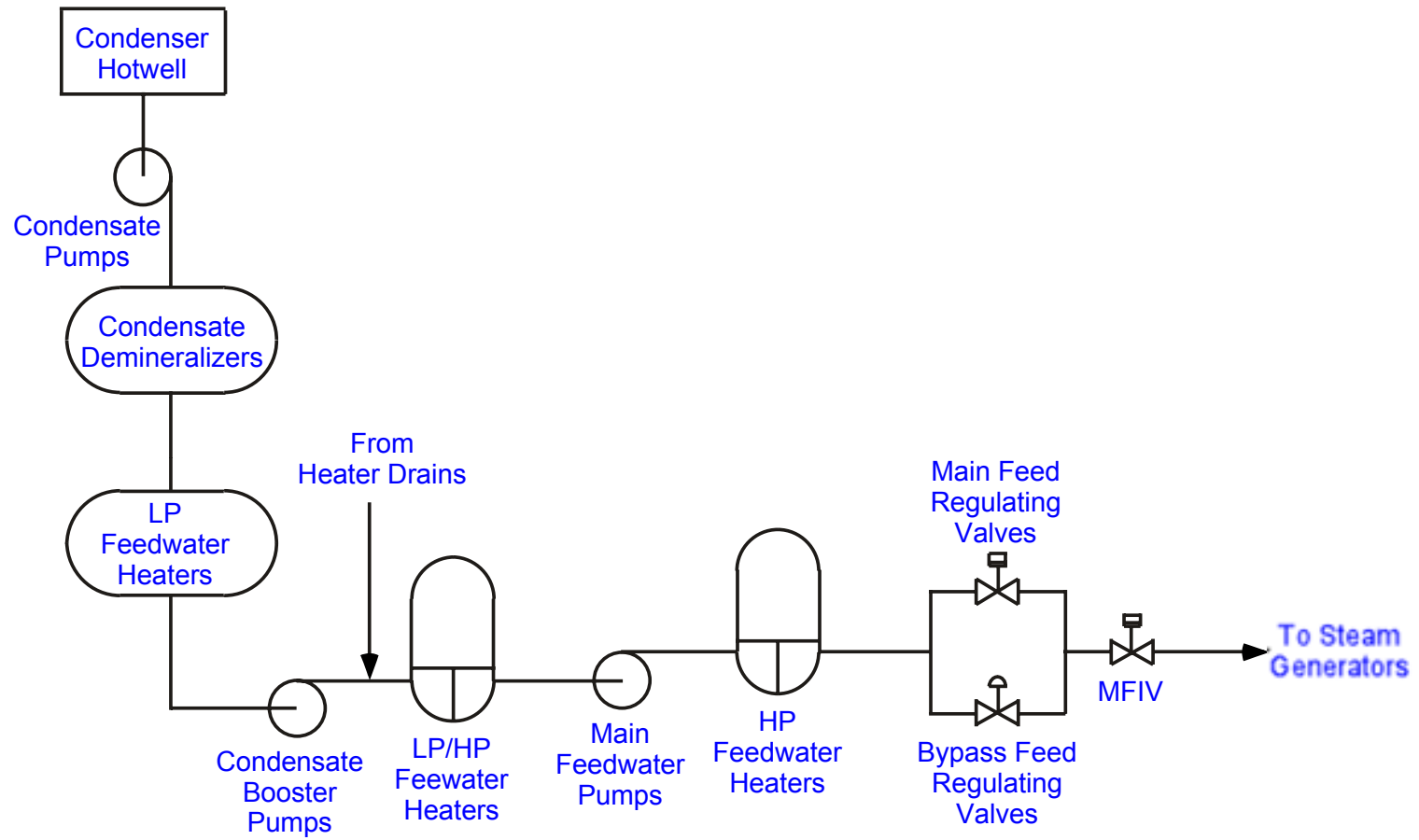


Figure 1-8 Simplified Condensate and Feedwater System



The End