

## **Westinghouse Technology Systems Manual**

### **Chapter 11**

#### **SECONDARY SYSTEMS CONTROL AND INSTRUMENTATION**

##### **Section**

**11.1 Steam Generator Water Level Control System**

**11.2 Steam Dump Control System**

**11.3 Westinghouse Electrohydraulic Control System**

**11.4 Moisture Separator Reheater Control**

**11.5 General Electric Electrohydraulic Control System**



## **11.0 SECONDARY SYSTEMS CONTROL AND INSTRUMENTATION**

### **Introduction**

The purposes of the secondary control systems are as follows:

1. To control feedwater flow in order to maintain a programmed water level within the steam generators,
2. To control the operation of the steam dump valves in order to remove excess energy from the reactor coolant system, as warranted by plant conditions,
3. To control the positions of the steam admission valves to the high and low pressure turbines in order to maintain the desired speed and load of the turbine, and
4. To regulate the steam supply to the second-stage reheater tube bundles of the moisture separator reheaters.

The control systems discussed in this portion of the manual include the following:

- 11.1 Steam Generator Water Level Control System,
- 11.2 Steam Dump Control System,
- 11.3 Westinghouse Electrohydraulic Control System,
- 11.4 Moisture Separator Reheater Control System, and
- 11.5 General Electric Electrohydraulic Control System.