

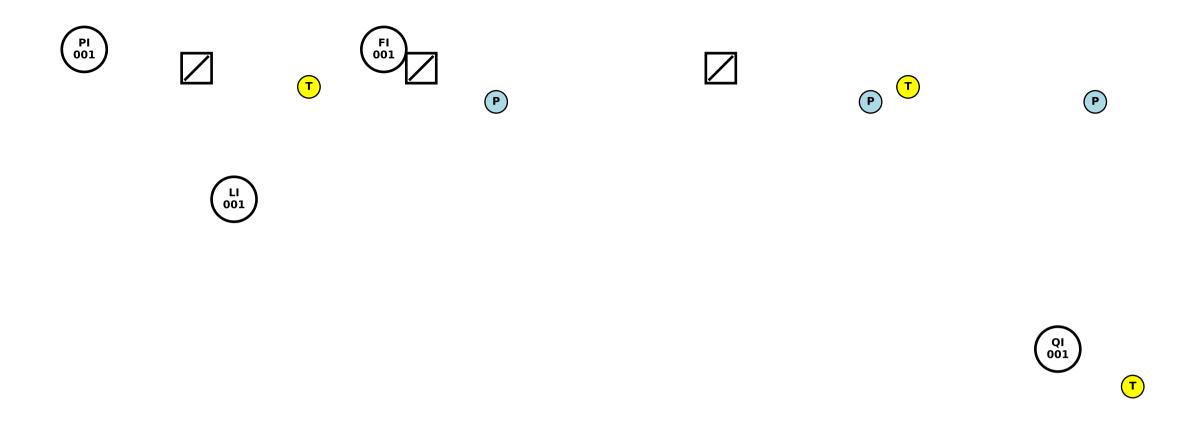
#### Legend:

Seawater
Treated Water
Equipment
Storage Tank
Pump

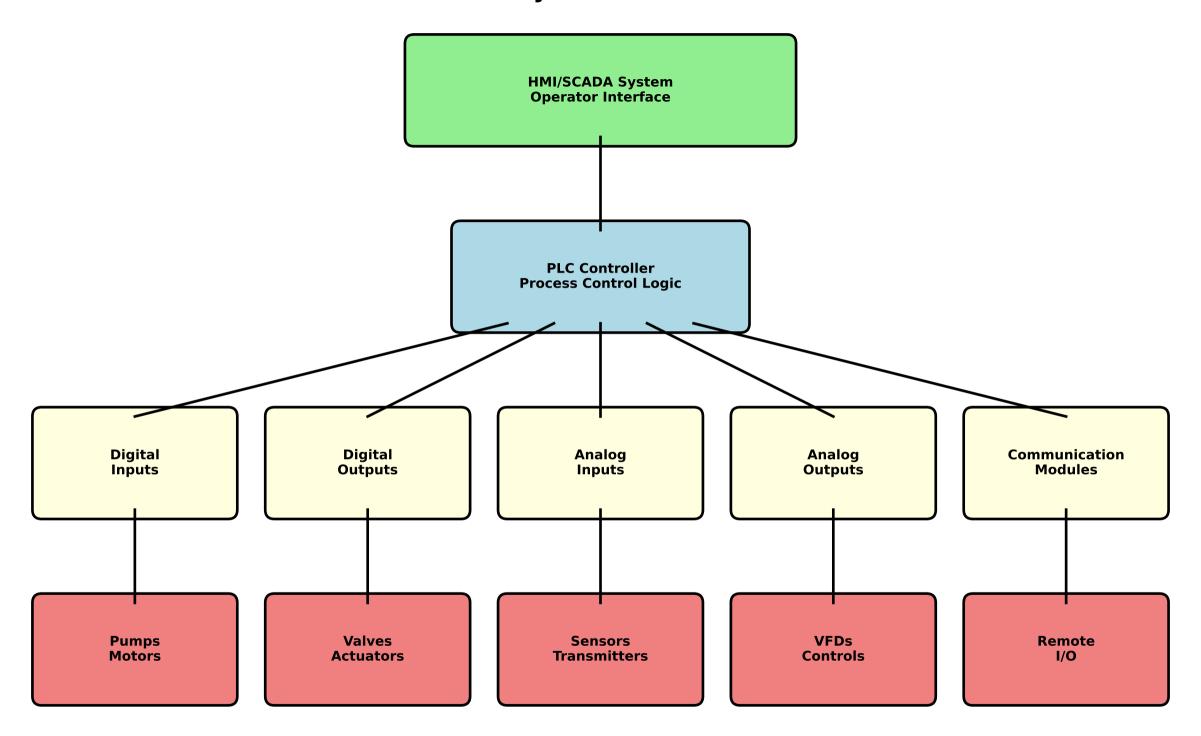
Waste

- Production Capacity: 10,000 L/hour
- RO Recovery Rate: 45%
- Operating Pressure: 55 bar
- Energy Consumption: ~125 kW
- Water Quality: <200 ppm TDS
- Distribution Zones: 3
- Storage Capacity: 30,000 L

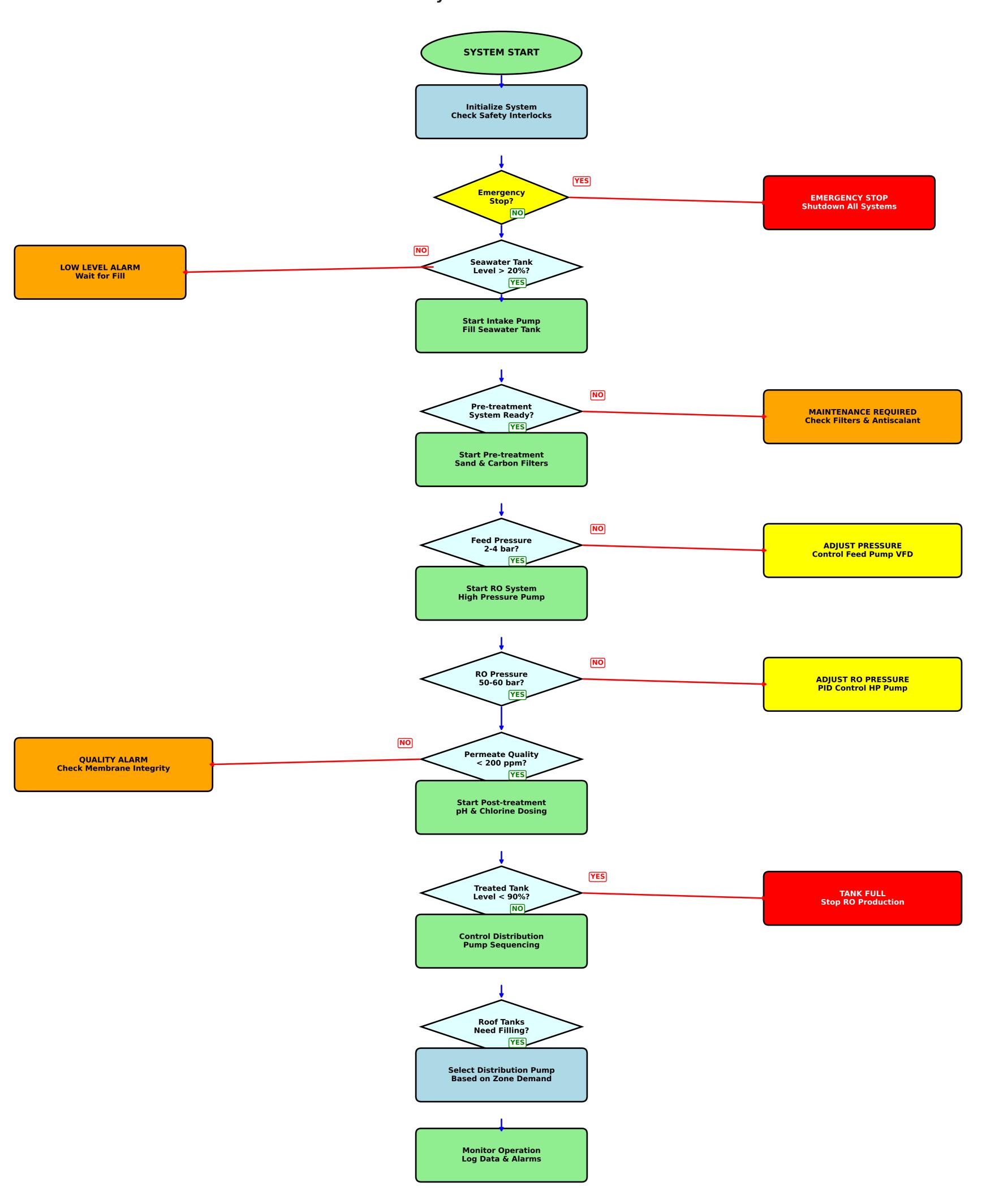
# **Water Treatment System - P&ID**



#### **Control System Architecture**



## **Water Treatment System - Process Control Flowchart**



### **Water Treatment System - State Diagram**

