



# City of Bellingham, WA WWTP SCADA System

Client: City of Bellingham, WA

Location: Bellingham, WA



## System Features

- DYNAC® SCADA Software •
- Redundant servers •
- PLC's •
- Radio, Serial Fiber & Ethernet •
- Communications
- Monitoring & Control of Water, •
- Wastewater, & Remote Facilities

**DYNAC®**

The City of Bellingham's Post Point Pollution Control Plant treats wastewater from 289 miles of sewer mains that run throughout the city in addition to septic tank pumping for Whatcom County. The plant processes approximately twelve million gallons of wastewater per day.

The Transdyn distributed control system provides monitoring and control capabilities for the Post Point plant's primary, secondary, and tertiary treatment as well as incineration control. In addition, the Transdyn system provides monitoring and control of approximately fifty remote water and wastewater sites and the City's Water Treatment Plant (WTP).

Transdyn's DYNAC® SCADA software is installed on a fully redundant master control computer connected via a redundant fiber optic ring data highway to five large programmable logic controllers (PLC's) located throughout the Post Point facility. Operators access the integrated water and wastewater system via workstations connected directly to the fiber ring in the Post Point process areas and three remote workstations tied in via an Ethernet WAN.

The remote sites are connected via an MDS spread spectrum radio channel and a daisy-chained fiber optic channel, and the WTP is connected via a fiber optic Ethernet WAN.