



Project Profile...



Control Systems

**Town of Amherst, NY
Wastewater Pumping Stations**

Pump Station Controls Upgrade

Engineer: RAM Consulting/Town of Amherst Engineering Dept.

Project Summary:

The Town has over 50 pump stations, some of which are over 40 years old. Originally state-of-the-art, the existing controls were becoming complicated to maintain and expensive to repair. The project consisted of control upgrades of 12 stations, all of which are now up and running trouble-free. Since the initial upgrade, the Town has continued the replacement program on an annual basis.

Our special thanks to Town engineering and maintenance personnel Tony Canna, Rick Grygier, Tony Moeser, Harold Harlock, Jim Johnson, Paul Bowers, and Bob Mathisen. Their confidence and support are truly appreciated.

System Evaluation:

Several control technologies were evaluated including air bubbler systems, ultrasonic level control, and mercury float switches. All were considered, but were not chosen for maintenance, troubleshooting, or safety reasons.

The solid state D152 pump controller and stainless steel A1000 submersible level transducer system was chosen. These components provide the Town with a reliable, economical, and safe pump control system. In addition, all field technicians are able to understand, monitor and adjust the control system without the need for programming or complicated instructions. With the movement of a simple pin, level settings can be changed.

Equipment Components and Design Considerations

US Filter/Consolidated Electric

- ⌘ D152 Pump and Alarm Controllers
- ⌘ Wet Well Level and Alarm Simulation [without entry to wet well]
- ⌘ Automatic Pump Alternation
- ⌘ A1000 Submersible Level Transducers
- ⌘ Stainless Steel Design
- ⌘ No field calibration
- ⌘ Eliminates Confined Space Entry