

Customer: **City of Andalusia, Andalusia, IL**
Project: Water Tower Upgrade
Plant Upgrade Contract Amount: \$15,000
Control System: OPTO-22
Communications: MDS 9810 Radios
Engineer: CAM
Water Plant Supervisor: Matt Stark (309-236-5917)

SCOPE OF WORK – PROCESS INSTRUMENTATION AND CONTROL

The City of Andalusia is a small municipality. Its water distribution system included pumping water from the town up to a stand pipe for storage. The City ran a 24 conductor cable over 20 years ago for this pump control. The cable was failing and the cost to run new cable exceeded \$50,000. CAM installed a radio at the tower, and one at the pump house to control pump operations.

All electrical, mechanical, and control work on this project was done by CAM. The radio communicates to the stand pipe via OPTO-22 M4RTU. At the stand pipe, level is transmitted back to the plant. Output of the tower level is to a recorder that includes relays to start and stop the booster pumps.

This project demonstrates how CAM is able to use existing customer hardware and interface state of the art components to provide cost effective control saving the city a considerable amount of money. Because other Cities in the area had similar hardware, and CAM stocks spare components for them, the small city did not have to spend capital funds for spare parts.