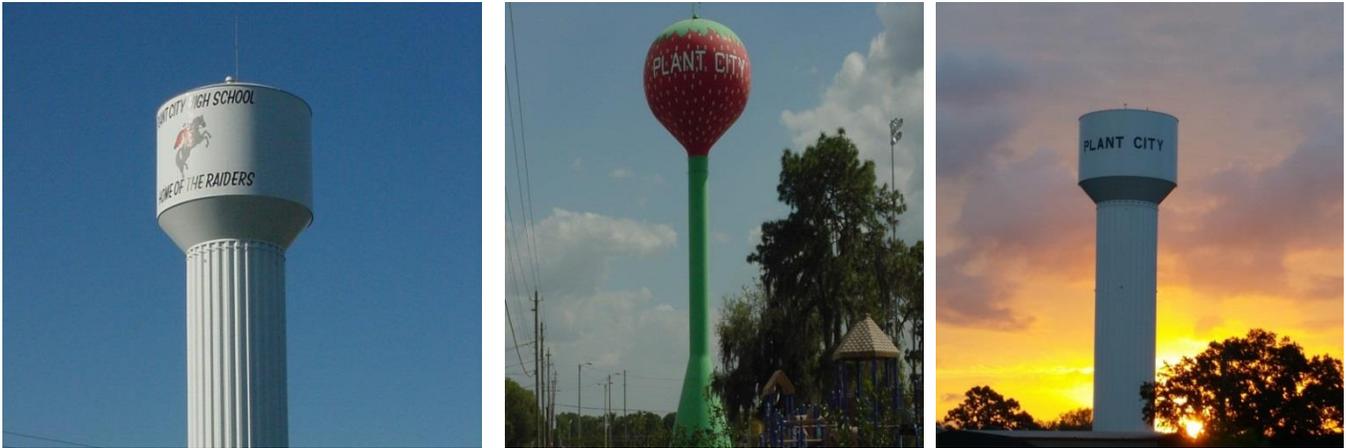


## PLANT CITY DRINKING WATER SYSTEM



The City of Plant City's Drinking Water system is supplied by groundwater from the Floridan Aquifer System. The water is pumped by one of four wells around the City into storage tanks. There are three elevated storage tanks with a total volume of 500,000 gallons each and one ground storage tank with a volume of 750,000 gallons for a total storage capacity of 2,250,000 gallons of water. The elevated tanks provide water pressure in the distribution due to the height of the tanks. The ground storage tank uses a high service pump station to maintain pressure in the distribution system. Prior to entering the storage tank the water is chlorinated for disinfection, a polyphosphate is added for iron and corrosion control and fluoride is added for dental care. The water system is also connected with the City of Lakeland water system for emergency fire flow situations.

The wells and interconnect are all monitored remotely via a SCADA system by the operations staff 24 hours per day 7 days per week. The system is set up with remote control capability to start and stop pumps, adjust tank levels, and open and close valves to the distribution system. Parameters remotely monitored are well flow, tank flow to the distribution system, tank levels, system pressures, free chlorine residual for both the pre-tank and post-tank, intrusion alarms for system, auxiliary generator status, power supply status (TECO).

- The system has operated in compliance with all regulations for more than 10 years.
- The Sanitary Survey Inspection for 2015 had no deficiencies.
- Each of the wells and tanks has been approved for 4-log virus removal.
- No lost time accidents in the past 36 months
- Electronic tracking of operational and reporting data (using Hach WIMS)
- Plant maintenance is tracked electronically (using Transcendent)

The city samples the water system at a minimum as required by the United States Environmental Protection Agency and the Safe Drinking Water Act. The water supplied by the City of Plant City meets or exceeds all State and Federal Standards.

The City has received the following awards for the drinking water system:

- 2015 Class 'C' Outstanding Water Treatment Plant by the American Water Works Association
- 2015 Water Treatment Plant Operator Of The Year by the American Water Works Association
- 2015 David B. Lee by the Florida Water & Pollution Control Operators Association
- 2014 Plant Operations Excellence, Medium Community Water System by the Florida Department of Environmental Protection, Southwest District
- 2014 Water Operator Of The Year by the Florida Rural Water Association
- 2013 Operator's Meritorious Service Award by the American Water Works Association
- 2013 Medium Public Water System Of The Year by the Florida Rural Water Association