

History of the Monroeville Water Works

The Monroeville Water Works Board was incorporated on August 22, 1945. The prime objective for incorporation was, and still is, to maintain, acquire, construct, operate, improve, and extend a water works plant or plants and system or systems in the City of Monroeville Alabama, and in the territory surrounding the city. The Water Works Board was incorporated as a public corporation by an act of the State Legislature and was operated under a three-member board. The first Board members were M.M. Kennedy, G.E. Curry, and H.G. Greer, all of Monroeville. The Board is now comprised of five Board members: Butch Feaster, Chairman of the Board, Darenell Payne, Vice-Chairman of the Board, Anne Farish, Bob Burns, and Thelma McDaniel.

The water system at the time of its inception was served by two wells and had about 300 customers. The Cherry Street well had a pump capacity of 40 gallons per minute (gpm) and a depth of 100 feet. The second well on Poplar Street had a pump capacity of 125 gpm and a depth of 107 feet. The total storage capacity of the water system at that time was 100,000 gallons.

The System Today

The water system today is served by six deep wells constructed in the Nanafalia formation. The combined capacity of these wells will produce approximately 8.1 million gallons per day (MGD), when all wells operate for a 24-hour period. These wells range in depths from 1,200 feet to 1,400 feet. The following is a breakdown of each well.

Pump	Gallons Per Minute
Poplar Street Well	800
Cherry Street Well	850
Drewry Road Well	900
Hammond Street Well	900
Ivey Street Well	850
Rose Drive Well	1300

The distribution system consists of four elevated Storage Facilities:

Storage Facilities	Gallons In Storage
East Claiborne Street	2,000,000
Highway 21 South at V.F.	500,000
Drewry Road	300,000
Poplar Street	200,000

Monroeville Water Works sells water wholesale to the Mexia Water System, and in 2002 bought the Peterman Water System from GMAC for \$20,000. Monroeville serves approximately 3303 customers directly with Vanity Fair being the largest consumer. Vanity Fair has a daily consumption of 1 to 1.5 MGD with a peak consumption of 2.5 MGD. In addition to the wells, pumps, and tanks, the distribution system includes approximately 545 fire hydrants. Monroeville Water is responsible for testing and maintaining all fire hydrants in the distribution system. There are approximately 150 miles of pipe throughout the distribution system. These pipes consists of 16 inch, 12 inch, 10 inch, 8 inch, 6 inch and smaller service piping. The pipe is constructed mainly of ductile iron and cast iron, but in the last 30 years or so, PVC has been utilized due to the ease and cost of installation and maintenance.

Water Quality and ADEM

The water in Monroeville is of good quality and requires no treatment other than the addition of chlorine and fluoride. State regulations require us to maintain a chlorine residual in the distribution system at all times. Certified Water Operators check the chlorine residuals at a minimum of twelve sites each day through the week. There is a natural fluoride content in the water in Monroeville, so enough is added at each well to reach the .80 ppm to 1.0 ppm recommended range.

Each month the Monroeville Water Works collects water samples from different houses in different areas of the distribution system. Federal and State regulations require that a system serving approximately 12,000 people must collect 10 treated water samples and 2 raw water samples each month. These samples are taken to a state certified laboratory where they are subjected to tests that will indicate the presence or absence of Coliform Bacteria. Coliform Bacteria is an indicator organism, which calls for another test to be conducted. ***Coliform Bacteria is not E. Coli !***