City of Dayton
Division of Water Supply & Treatment

Office & Water Testing Lab: 937-333-6030 (7am – 3:30pm)
3210 Chuck Wagner Lane, Dayton, Ohio 45414

Employees of the City of Dayton Division of Water Supply and Treatment treat and pump drinking water to over 400,000 people in Montgomery County. Water is supplied by wells in the Miami and Mad River Well Fields. Wells pump water to the Ottawa Water Treatment Plant and the Miami Water Treatment Plant. Each plant has a rated capacity of 96 million gallons per day. Lime (calcium oxide), fluoride and chlorine are used for water treatment. Rapid sand filtration is the final step in the treatment process. In 2008 21.74 billion gallons of treated drinking water was pumped to the distribution system. Approximately 750 miles of water main serve customers inside the city of Dayton.

Dayton has 16 treated water storage facilities with a total capacity of 88 million gallons. The Water Department also controls two main pumping stations and 10 booster pumping stations. A Lime Recovery Facility reclaims calcium carbonate from the lime softening residuals of both water treatment plants and produces more lime for softening. This process, recalcination, produced over 20,000 tons of lime in 2006.

The City of Dayton's Well Field Protection Program includes land use control zoning, groundwater remediation and emergency preparedness. An early warning, network of approximately 180 monitoring wells surrounds both well fields. Monitoring wells and 110 production wells are sampled and tested for water quality. Eighteen packed tower, air stripping systems were constructed to treat contaminated groundwater. Dayton's Well Field Protection Program is internationally recognized and was the first program approved by the Ohio Environmental Protection Agency. In 1998, the American Water Works Association presented its large system, Well Field Protection Program Award to the City of Dayton. Dayton has also been designated as a *Groundwater Guardian* community by the Groundwater Foundation.