
FAIRWAYS AT MT. PLYMOUTH SERVICE AREA



Fairways at Mt. Plymouth is located on the East side of the county. Fairways is a combined water & wastewater system. The Fairways @ Mount Plymouth water and Wastewater system has one water treatment plant (WTP) and one wastewater treatment plant (WWTP). The Fairways system serves approx. 240 customers.

Water System Summary

The WTP is a Category V, Class C Facility with a permitted capacity of 44.39 million gallons per year (121,616 GPD). The WTP is located at the corner of Troon Avenue and Adair Avenue located approximately 2.0 miles south of the intersection of SR 46 and County Rd 435. The facility has two (2) 50 HP wells which pump water to the 16,000 gallon hydro-pneumatic tank after being disinfected with chlorine. Potable water is then conveyed to the distribution system.

Water System Components

The water treatment plant consists of the following major components-

- Two ground water wells (with vertical turbine pumps)
- One 16,000 gallon hydro-pneumatic tank
- One 105 KW (140 HP) diesel generator set for emergency power
- Hypochlorination disinfection system

The distribution system consists of the following-

- Approximately 650 LF of 6 inch water main
 - Approximately 11,350 LF of 8 inch water main
 - Seven (7) fire hydrants
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Wastewater System Summary

The WWTP is a category III, Class C extended aeration facility with a permitted capacity of 75,000 Gallons per Day (GPD) based on Annual Average Daily Flow (AADF). The treated effluent from the facility is discharged to the two adjacent rapid infiltration basins for disposal. The WWTP is located off SR 435 about 2.0 miles south of the intersection of SR 46 and County Rd 435.

Wastewater System Components

The wastewater treatment plant consists of the following major components:

- Three (3) steel package plants
- Headworks with bar screen
- Three (3) aeration tanks
- Two (2) clarifiers
- One (1) digester
- Two (2) blowers
- One (1) propane fired emergency generator
- Liquid chlorination for disinfection system

The collection system consists of the following:

- One (1) lift station
 - Approximately 10,000 LF of gravity sewer mains
 - Approximately 3,500 LF of force mains
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