

Combined Filter Effluent Turbidity	
Population Served	Minimum Monitoring Requirements
500 or less	1 sample per day
501 or more	1 sample every 4 hours (6 total per day)

Individual Filter Effluent Turbidity	
Filtration Technology Used / Population Served	Minimum Monitoring Requirements
Conventional or Direct, Serving <10,000 people, with 2 or fewer filters	Continuous monitoring of COMBINED filter effluent may be used instead of each individual filter
Conventional or Direct, Serving 10,000+ people	Continuous monitoring required with results recorded every 15 minutes
Slow Sand, Diatomaceous Earth, or Alternate (bag or cartridge)	Individual Filter Effluent Turbidity monitoring not required

Residual Disinfectant Concentration (RDC) Measured at the EPDS	
Population Served	Minimum Sampling Requirements
500 or less	1 sample per day
501-1,000	2 samples per day
1,001-2,500	3 samples per day
2,501-3,300	4 samples per day
3,301 or more	24 samples per day (1+ per hour)

Residual Disinfectant Concentration (RDC) Measured in the Distribution System	
Population Served	Minimum Sampling Requirements*
25 to 1000	1 sample per month
1,001 to 2,500	2 samples per month
2,501 to 3,300	3 samples per month
3,301 to 4,100	4 samples per month
4,101 to 4,900	5 samples per month
4,901 to 5,800	6 samples per month
5,801 to 6,700	7 samples per month
6,701-7,600	8 samples per month
7,601 to 8,500	9 samples per month
More than 8,500	See your Microbiological Sampling Plan or Contact ADEQ

* Distribution System RDC must be measured at the **same frequency and locations** as RTCR (Total Coliform) Sampling. These are the same samples used to measure MRDL (Maximum Residual Disinfectant Concentration). Any repeat sampling required for Total Coliforms/ E. Coli must be paired with additional RDC samples.

Compliance Limits				
Filtration Technology Used	Maximum Turbidity Limit*	Maximum Limit for 95% of samples*	RDC Minimum at EPDS	RDC Minimum in Distribution System
Direct, Conventional, or membrane	1.4 NTU	0.34 NTU	0.2 mg/L	0.001 mg/L
Slow Sand, D.E, Bag/Cartridge	5.4 NTU	1.4 NTU	0.2 mg/L	0.001 mg/L

* Allowances for rounding of results applied to Turbidity compliance limits of 1 NTU, 5 NTU, and 0.3 NTU.