



Minimum Required Chemical Analysis of Water for Community and Major Non-Community Water

Water Analysis	Type of Plant or Treatment											
	Ground Water No Treatment		Surface Water Purification		Surface Water Lime-Softening		Ground Water Lime-Softening		Ion Exchange Softening		Iron & Manganese Removal	
	Plant Tap	Dist. System	Plant Tap	Dist. System	Plant Tap	Dist. System	Plant Tap	Dist. System	Plant Tap	Dist. System	Plant Tap	Dist. System
Turbidity			4 hrs.		4 hrs.							
Nitrates	see schedule (a)		monthly (a)		monthly (a)			see schedule (a)		see schedule (a)		see schedule (a)
pH	monthly w/ stability		daily		daily			daily				
Alkalinity (Phenolphthalein)					daily			daily				
Alkalinity Total	monthly (b)		daily (c)		daily			daily		monthly (b)		
Alkalinity (Stabilization)	monthly (b)		monthly		weekly			weekly		monthly (b)		
Hardness			daily (c)		daily			daily		weekly (g)		
Phosphates Total (if used)	monthly		monthly		monthly			monthly		monthly		monthly
Sodium											monthly	
Fluoride (if applied)	daily	daily	daily	daily	daily	daily	daily	daily	daily	daily	daily	daily
Iron Total										weekly (e,f,g)		weekly (f,g)
Manganese										weekly (e,f,g)		weekly (f,g)
Copper (if used)			weekly		weekly							
Chlorine Dioxide (when applied)	daily		daily		daily			daily		daily		daily
Chlorite	daily (d)		daily (d)		daily (d)			daily (d)		daily (d)		daily (d)
Chlorine Residual Free	daily	daily	continuous	daily	continuous	daily	daily	daily	daily	daily	daily	daily
Chlorine Residual Combined	daily	daily	continuous	daily	continuous	daily	daily	daily	daily	daily	daily	daily

(a) Nitrates are to be reported on Ohio EPA Inorganic Chemical SSR (EPA 5020, rev 10/99), refer to your water quality monitoring schedule.

(b) Only required when alkali substances are applied for stability purposes.

(c) Lesser sampling frequencies may be established at the discretion of the district engineer.

(d) Only required when chlorine dioxide is applied.

(e) Only required when ion exchange softening is used to remove iron and/or manganese.

(f) Daily in-house monitoring plus monthly monitoring at a Certified lab may be substituted. Consult your district representative.

(g) If population is less than 250, a minimum of monthly monitoring at a Certified Lab is required.

Note: Any approved compound added during treatment that is not listed above must be analyzed.

Contact Water Quality for the required frequency.