

Operational Monitoring as reported on Ohio EPA Form 5002

Minimum Required Operational Monitoring for Public Water Systems as required by Ohio Administrative Code 3745-83-01(F)

Ref	Water Analysis	Reporting Criteria	Plant Tap / Entry Point (except as noted)
(w) or (x)	Chlorine Residual: free <u>or</u> combined	If water is treated with chlorine	Daily ^{1,2,3,4}
(y) or (z)	Chlorine Residual: free <u>or</u> combined	If water is treated with chlorine	Daily ^{3,4} (in distribution)
(d)	Fluoride	If fed	Daily
(c)	Fluoride	If fed	Monthly (prior to fluoridation; "raw")
(p)	Phosphorus Total	If phosphate is fed for sequestration	Monthly
(q)	Orthophosphate	If fed for self-initiated corrosion control	Monthly
		If fed for formal corrosion control (OEPA Pb/Cu rules)	Bi-weekly
(k)	pH ¹	If adjusted for formal corrosion control (OEPA Pb/Cu rules)	Bi-Weekly
		If adjusted for stability	Daily
		If lime softening or membrane treatment is provided	Daily
(m)	Alkalinity Total	If lime softening or membrane treatment is provided	Daily
		If adjusted for formal corrosion control (OEPA Pb/Cu rules)	Bi-weekly
(l)	Alkalinity Phenolphthalein	If lime softening treatment is provided	Daily
(n)	Alkalinity Stability	If lime softening or membrane treatment is provided	Weekly
(o)	Hardness (community systems only) ⁵	If treatment = Ion Exchange Softening, pop ≤ 250	Monthly
		If treatment = Ion Exchange Softening, pop > 250	Weekly
		If treatment = lime softening or membranes	Daily
(r1)	Iron (community systems only) ⁵	If treatment consists of Iron Removal; Pop. ≤ 250	Weekly test kit with monthly lab split Sample, or Weekly at Certified Lab
(r2)		If treatment consists of Iron Removal; Pop. > 250	5 days/wk test kit with monthly lab split Sample, or Weekly at Certified Lab
(s1)	Manganese (community systems only) ⁵	If treatment consists of Manganese Removal; Pop. ≤ 250	Weekly test kit with monthly lab split Sample, or Weekly at Certified Lab
(s2)		If treatment consists of Manganese Removal; Pop. > 250	5 days/wk test kit with monthly lab split Sample, or Weekly at Certified Lab
(t)	Copper	If a copper compound is applied to the surface water supply	Weekly (monitoring is to continue for at least one month after the compound has been applied)

1. Surface Water Systems shall also conduct monitoring in accordance with OAC 3745-81-74 and report on Form 5109; Ground Water Systems that provide 4-log inactivation of viruses shall also conduct monitoring in accordance with OAC 3745-81-43 and report on modified Form 5109.
2. Satellite Systems without supplemental chlorination do not need to monitor at the entry point.
3. Non-community Ground Water Systems whose distribution system is solely interior plumbing in a single building only need to collect one representative sample daily (either entry point or distribution).
4. Non-community, ground water systems that utilize chlorine solely for the oxidation of Fe, Mn or H₂S and are not required to maintain a residual in the distribution system do not have to perform this monitoring.
5. Non-Community systems treating for an MCL may be required to perform this monitoring per a formal action of the Director.

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Inorganic Disinfection Byproducts and Disinfectant Residuals Monitoring required by Ohio Administrative Code 3745-81-23 and 3745-81-70

Ref	Water Analysis	Reporting Criteria	Sample Location		Rule Reference
			Entry Point	Distribution	
SSR	Bromate*	If Ozone is fed	Monthly	NA	OAC 3745-81-23(L)
E.P. (v) Dist. (cc)-(kk)	Chlorite	If chlorine dioxide is fed	Daily	Monthly - three sample set (additional three sample set(s) required if the entry point sample is > MCL)	OAC 3745-81-23(M)
E.P. (u) Dist. (cc)-(kk)	Chlorine Dioxide	If chlorine dioxide is fed	Daily	As required by the Director through detail plan approval. (three sample set(s) required if the entry point sample is > MRDL)	OAC 3745-81-70(F)
E.P. (n/a) Dist. (aa)-(bb)	Chlorine Residual Total	All community PWSs and noncommunity systems that serve 1,000 or more	n/a	to be monitored concurrently with the collection of total coliform compliance (routine and repeat) bacterial samples	OAC 3745-81-70(E)(1)

*Bromate is to be reported on the Chemical SSR by a certified laboratory and does need to be reported on Ohio EPA Form 5002.