

**Minimum Required Operational Analysis of Water for
Community, Non-Transient (with treatment) and Transient (serving $\geq 1,000$ people) Public Water Systems
as required by Ohio Administrative Code 3745-83-01(G) (effective 10/1/2006)**

Ref. ****	Water Analysis	Criteria:	Prior to Fluoridation	Entry Point	Dist. System
(w)	Chlorine Residual Free	if water is treated with chlorine (surface water systems shall also conduct monitoring in accordance with OAC 3745-81-74)***	-----	daily	daily
(x)	Chlorine Residual Combined	if water is treated with chlorine (surface water systems shall also conduct monitoring in accordance with OAC 3745-81-74)***	-----	daily	daily
(c)	Fluoride	if fed	monthly	daily	-----
(p)	Phosphate Total	if phosphate is fed	-----	monthly	-----
(q)	Orthophosphate	if phosphate is fed for Pb/Cu control	-----	bi-weekly	-----
(k)	pH	if adjusted for corrosion control if adjusted for stability if lime softening treatment is provided (surface water systems shall also conduct monitoring in accordance with OAC 3745-81-74)***	-----	bi-weekly daily daily	-----
(m)	Alkalinity Total	if adjusted for corrosion control (surface water systems shall also conduct monitoring in accordance with OAC 3745-81-77)***	-----	bi-weekly	-----
(n)	Alkalinity Stability	if lime softening treatment is provided	-----	weekly	-----
(o)	Hardness	if treatment consists of: -) ion exchange or membrane softening; pop<250 -) ion exchange or membrane softening; pop \geq 250 -) lime softening	-----	monthly weekly daily	-----
(r1) (r2)	Iron	if treatment consists of: -) iron reduction; pop<250 -) iron reduction; pop \geq 250, or -) iron reduction; pop \geq 250	-----	monthly weekly daily/monthly*	-----
(s1) (s2)	Manganese	if treatment consists of: -) manganese reduction; pop<250 -) manganese reduction; pop \geq 250, or -) manganese reduction; pop \geq 250	-----	monthly weekly daily/monthly*	-----
(t)	Copper	if a copper compound is applied to the surface water supply	-----	weekly**	-----

*Daily in-house analysis (with an acceptable test kit) plus one Monthly analysis at a certified lab is alternative monitoring per OAC 3745-83-01 (G)(9)(b) and (G)(10)(b).

**Monitoring is to continue for at least one month after the compound has been applied.

***Report on the Surface Water Monthly Operating Report

Ohio EPA Monthly Operating Report entitled "Water Plant / Distribution System" (form #5002) is to be used for reporting with the exception of pH and orthophosphate for Pb/Cu CCR's for public water systems serving 50,000 or greater. Refer to the instructions for form #5002 for additional information.

****Reference fields can be found in the Instructions for Completing the "Water Plant / Distribution System" Monthly Operating Report

**Inorganic Disinfection Byproducts and Disinfectant Residuals Monitoring required by-
Ohio Administrative Code 3745-81-23 (effective 8/1/2005) and 3745-81-70 (effective 1/1/2004)**

Ref	Water Analysis	Criteria	Sample Location		Rule Reference
			Entry Point	Distribution System	
(SSR)	Bromate	if ozone is fed	Monthly	-----	OAC 3745-81-23 (L)
(v)	Chlorite	if chlorine dioxide is fed	Daily	monthly (three sample set)	OAC 3745-81-23 (M)
(cc)- (kk)				(additional three sample set(s) required if- the entry point sample > MCL)	
(u)	Chlorine Dioxide	if chlorine dioxide is fed	Daily	as required by the Director through detail plan approval.	OAC 3745-81-70 (F)
(cc)- (kk)				(three sample set(s) required if- the entry point sample > MRDL)	
(y)	Chlorine Residual Total	if a community or non-transient PWS and chlorine or chloramines are fed for the purpose of establishing a residual in the distribution system	-----	to be monitored concurrently with the collection of total coliform bacterial samples	OAC 3745-81-70 (E)(1)

Ohio EPA Monthly Operating Report entitled "Water Plant / Distribution System" (form #5002) is to be used for reporting the parameters identified above with the exception of bromate. Bromate is to be reported on the Chemical SSR