

Community & Non-Transient Water Systems Routine Chemical Monitoring*



Department of Human Services
State Public Health
Office of Public Health Systems
Drinking Water Program
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www.oregon.gov/DHS/ph/dwp

2005 -2007 Compliance Period

Chemicals	Surface Water	Ground Water
Inorganics ¹	Yearly	One
Nitrate	Quarterly ²	Yearly
Volatile Organics ³	Yearly	One
Disinfection Byproducts ⁴	Quarterly ⁵	Yearly ⁶
Synthetic Organics ⁷	One	
Nitrite	One	
Asbestos	One ⁸	
Radionuclides (Community PWS only)	4 consecutive quarters ⁹	
Lead and Copper	One round ¹⁰	

*This table describes base line monitoring only. Waivers, reductions, detections, source changes, and/or action level violations will affect the sampling requirements. You will find details on number, location and timing of samples in the Rules (see web page @ www.oregon.gov/DHS/ph/dwp). Send all sample results to: Department of Human Services, Drinking Water Program, PO Box 14350, Portland, OR 97293-0350.

- ¹ **Inorganics:** Testing may be reduced to one sample every 9 years if three rounds of Phase 5 contaminant sampling (1993 and beyond) are completed and there are no Maximum Contaminant Level (MCL) violations.
- ² **Nitrate:** Surface systems can reduce sampling to annually after 4 quarters. Quarterly sampling is required if there is a result between 5.5 and 10.49 mg/L. MCL violations require a confirmation sample within 24 hrs of notification.
- ³ **Synthetic and Volatile Organics:** Testing for individual contaminates may be reduced to one sample every 6 years or 9 years, based on an approved Drinking Water Protection Program or a Use and Susceptibility Waiver.
- ⁴ **Disinfection Byproducts (DBP's)** Sampling reductions may be available based on results, population and source- consult program staff and/or web site for further details.
- ⁵ **DBP's:** Initial sampling frequency for populations of 500 or greater (one set of samples/plant/quarter) Annual sampling frequency (one set/plant) during warmest month for populations of 25 - 499.
- ⁶ **DBP's:** Initial sampling frequency for populations greater than 10,000 is one set/plant/quarter.
- ⁷ **Synthetic Organics:** Systems with population of greater than 3,300 must do two consecutive quarterly samples for Synthetic Organic chemicals during one year of the compliance period.
- ⁸ **Asbestos:** Routine monitoring is one sample every 9 years if the system has asbestos-cement (A/C) pipe, or is located in an identified geographic area. Waivers may eliminate this testing. Monitoring will go to one sample every 3 years if the system exceeds Lead and/or Copper action levels.
- ⁹ **Radionuclides:** Four consecutive quarters of Gross Alpha, Combined Radium 226/228, and Uranium must be collected between 2004 and 2007 unless grandparented data is available. An initial sample set collected between 12/7/00 and 12/8/03 will substitute for the four consecutive quarterly samples.
- ¹⁰ **Lead and Copper:** Testing frequency is once every 3 years following a minimum of 5 rounds of tap sampling. Initial sampling requirements are two consecutive six-month rounds. Both initial and reduced numbers of sample sites are based on population. Consult County or State program staff and/or our webpage for further details.

This table supersedes previous editions. Revised March, 2006

IF YOU WOULD LIKE THIS IN AN ALTERNATE FORMAT, PLEASE CALL (971) 673-0427

Contaminants and Maximum Levels

Inorganics mg/L

Antimony Total	0.006
Arsenic	0.010 ¹
Asbestos.....	7 MFL ²
Barium	2
Beryllium Total.....	0.004
Cadmium	0.005
Chromium.....	0.1
Cyanide	0.2
Fluoride	4.0
Mercury	0.002
Nickel.....	0.1
Nitrate.....	10
Nitrate-Nitrite	10
Nitrite	1
Selenium	0.05
Sodium	20 ³
Thallium Total.....	0.002

Lead and Copper

Lead	0.015 ⁴
Copper.....	1.3 ⁴

Volatile Organics

1,1-Dichloroethylene	0.007
1,1,1-Trichloroethane	0.2
1,1,2-Trichloroethane	0.005
1,2-Dichloropropane.....	0.005
1,2-Dichloroethane	0.005
1,2,4-Trichlorobenzene	0.07
Benzene	0.005
Carbon Tetrachloride.....	0.005
Cis-1,2-Dichloroethylene.....	0.07
Dichloromethane	0.005
Ethylbenzene.....	0.7
Monochlorobenzene.....	0.1
O-Dichlorobenzene	0.6
P-Dichlorobenzene.....	0.075
Styrene	0.1
Tetrachloroethylene (PCE).....	0.005
Toluene	1.0
Total Xylenes.....	10.0
Trans-1,2-Dichloroethylene	0.1
Trichloroethylene (TCE)	0.005
Vinyl Chloride	0.002

Radionuclides

Gross alpha particles.....	15 pCi/L ⁵
Combined radium 226/228	5 pCi/L ⁵
Uranium.....	0.03
Beta/photon emitters	4 mrem/yr ⁶

Synthetic Organics..... mg/l

2,4-D.....	0.07
2,4,5-TP (Silvex).....	0.05
Adipates Di(2-ethylhexy)	0.4
Alachlor (Lasso)	0.002
Atrazine	0.003
Benzo(A)Pyrene (PAH's).....	0.0002
BHC-gamma (Lindane)	0.0002
Carbofuran	0.04
Chlordane.....	0.002
Dalapon	0.2
Dibromochloropropane (DBCP)	0.0002
Dinoseb	0.007
Dioxin (2,3,7,8-TCDD).....	3x10 ⁻⁸
Diquat	0.02
Endothall	0.1
Endrin	0.002
Ethylene Dibromide (EDB)	0.00005
Glyphosate	0.7
Heptachlor Epoxide	0.0002
Heptachlor	0.0004
Hexachlorobenzene (HCB)	0.001
Hexachlorocyclopentadiene (HEX)	0.05
Methoxychlor	0.04
Pentachlorophenol	0.001
Phthalates Di(2-ethylhexy) (DEHP)	0.006
Picloram	0.5
Polychlorinated Biphenyls (PCB) ...	0.0005
Simazine.....	0.004
Toxaphene	0.003
Vydate (Oxamy)	0.2

Disinfection Byproducts

Total Trihalomethanes (TTHM's)....	0.080 ⁷
Chloroform	
Bromodichloromethane	
Dibromochloromethane	
Bromoform	
Total Haloacetic Acids (HAA5's)	0.060 ⁸
Monochloroacetic acid	
Dichloroacetic acid	
Trichloroacetic acid	
Monobromoacetic acid	
Dibromoacetic acid	
Chlorite	1.0
Bromate	0.01

¹ MCL lowered to 0.010 mg/L on 1/23/06

² Million Fibers per Liter

³ Advisory only

⁴ Action Level

⁵ Picocuries per Liter

⁶ Millirems per year

⁷ Combined Total MCL for all four Trihalomethanes

⁸ Combined Total MCL for all five Haloacetic Acids