

**NEW Source WATER QUALITY MONITORING SCHEDULE**  
Community System, >3300 population, surface water/agricultural (NCLSA)  
UPDATED - April 2018

*This schedule contains initial monitoring frequencies. Contact your district office after completing the initial monitoring for an updated schedule or if you have any questions.*

Chemical - Title 22	MCL (mg/L)	Frequency (1)
<b>Primary Inorganics - Section 64432</b>		
Aluminum	1	Annually
Antimony	0.006	Annually
Arsenic	0.010	Annually
Barium	1	Annually
Beryllium	0.004	Annually
Cadmium	0.005	Annually
Chromium (Total Chromium)	0.05	Annually
Cyanide	0.15	Waived (2)
Fluoride	2.0	Annually
Mercury	0.002	Annually
Nickel	0.1	Annually
Perchlorate	0.006	2 Samples, 5 to 7 months apart, then annually (3)
Selenium	0.05	Annually
Thallium	0.002	Annually
<b>Asbestos - Section 64432.2</b>		
Asbestos - Source Water	7 MFL	Every 9 years
Asbestos - Distribution System sampling if Asbestos-Cement pipe used	7 MFL	Every 9 years if Aggressive Index $\leq$ 11.5
<b>Nitrate/Nitrite - Section 64432.1</b>		
Nitrate (as N)	10	4 quarters, then annually (4)
Nitrite (as nitrogen)	1	Every 3 years if $\leq$ 0.5 mg/L (5)
Nitrate + Nitrite (sum as nitrogen)	10	N/A
<b>Secondary Standards - Table 64449-A</b>		
Aluminum	0.2	Annually
Color	15	Annually
Copper	1.0	Annually
Foaming Agents	0.5	Annually
Iron	0.3	Annually
Manganese	0.05	Annually
Methyl-tert-butyl ether (MTBE)	0.005	See MTBE frequency on page 2
Odor	3	Annually
Silver	0.1	Annually
Thiobencarb	0.001	Waived (2)
Turbidity	5	Annually
Zinc	5	Annually
<b>General Minerals - Section 64449</b>		
Bicarbonate	N/A	Annually
Carbonate	N/A	Annually
Hydroxide Alkalinity	N/A	Annually
Calcium	N/A	Annually
Magnesium	N/A	Annually
Sodium	N/A	Annually
Hardness	N/A	Annually
pH	N/A	Annually
<b>Secondary Standards - Table 64449-B</b>		
TDS	500-1000;1500	Annually
Specific Conductance	900-1600; 2200	Annually
Chloride	250-500;600	Annually
Sulfate	250-500;600	Annually

MCL = Maximum Contaminant Level

**Contact your district office with any questions.**

- (1) Sampling shall be increased to quarterly following any result > MCL.
- (2) Use waiver granted.
- (3) Perchlorate: For initial monitoring, at least 1 of the 2 samples must be collected during the period from May 1 through Sept 30. If the results in both samples are not detectable (ND), subsequent monitoring frequency will be every 3 years.
- (4) Nitrate (as N) sampling shall increase to quarterly following any result  $\geq$  5 mg/L. Upon request to your district office, this may be reduced to an annual frequency after 4 quarters of monitoring.
- (5) Nitrite sampling shall be increased to quarterly following any result  $\geq$  0.5 mg/L. Upon request to your district office, this may be reduced to an annual frequency after 4 quarters of monitoring.

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Chemical - Title 22	MCL (mg/L)	Frequency (6), (7) & (8)
<b>VOCs - Table 64444-A (a)</b>		
Benzene	0.001	4 quarters then annually
Carbon Tetrachloride	0.0005	4 quarters then annually
1,2-Dichlorobenzene	0.6	4 quarters then annually
1,4-Dichlorobenzene	0.005	4 quarters then annually
1,1-Dichloroethane	0.005	4 quarters then annually
1,2-Dichloroethane	0.0005	4 quarters then annually
1,1-Dichloroethylene	0.006	4 quarters then annually
cis-1,2-Dichloroethylene	0.006	4 quarters then annually
trans-1,2-Dichloroethylene	0.01	4 quarters then annually
Dichloromethane	0.005	4 quarters then annually
1,2-Dichloropropane	0.005	4 quarters then annually
1,3-Dichloropropene	0.0005	4 quarters then annually
Ethylbenzene	0.3	4 quarters then annually
Methyl-tert-butyl ether (MTBE)	0.013	4 quarters then annually
Monochlorobenzene	0.07	4 quarters then annually
Styrene	0.1	4 quarters then annually
1,1,2,2-Tetrachloroethane	0.001	4 quarters then annually
Tetrachloroethylene (PCE)	0.005	4 quarters then annually
Toluene	0.15	4 quarters then annually
1,2,4-Trichlorobenzene	0.005	4 quarters then annually
1,1,1-Trichloroethane	0.200	4 quarters then annually
1,1,2-Trichloroethane	0.005	4 quarters then annually
Trichloroethylene (TCE)	0.005	4 quarters then annually
Trichlorofluoromethane	0.15	4 quarters then annually
1,1,2-Trichloro-1,2,2-Trifluoroethane	1.2	4 quarters then annually
Vinyl Chloride	0.0005	4 quarters then annually
Xylenes (total)	1.750	4 quarters then annually
<b>SOCs - Table 64444-A (b)</b>		
		<b>CQtrs = 2 consecutive quarters</b>
1,2,3-Trichloropropane (1,2,3-TCP)	0.000005 mg/L	4 quarters, then 2 CQtrs every 3 years
Alachlor	0.002	4 quarters, then 2 CQtrs every 3 years
Atrazine	0.001	4 quarters, then 2 CQtrs every 3 years
Bentazon	0.018	Waived (2)
Benzo(a)pyrene	0.0002	Waived (2)
Carbofuran	0.018	Waived (2)
Chlordane	0.0001	Waived (2)
2,4-D	0.07	4 quarters, then 2 CQtrs every 3 years
Dalapon	0.2	Waived (2)
Dibromochloropropane (DBCP)	0.0002	Waived (2)
Di(2-ethylhexyl)adipate	0.4	Waived (2)
Di(2-ethylhexyl)phthalate	0.004	Waived (2)
Dinoseb	0.007	Waived (2)
Diquat	0.02	Waived (2)
Endothall	0.1	4 quarters, then 2 CQtrs every 3 years
Endrin	0.002	Waived (2)
Ethylene Dibromide (EDB)	0.00005	Waived (2)
Glyphosate	0.7	Waived (2)
Heptachlor	0.00001	Waived (2)
Heptachlor Epoxide	0.00001	Waived (2)
Hexachlorobenzene	0.001	Waived (2)
Hexachlorocyclopentadiene	0.05	Waived (2)
Lindane	0.0002	Waived (2)
Methoxychlor	0.03	Waived (2)
Molinate	0.02	Waived (2)
Oxamyl	0.05	Waived (2)
Pentachlorophenol	0.001	Waived (2)
Picloram	0.5	Waived (2)
Polychlorinated Biphenyls	0.0005	Waived (2)
Simazine	0.004	4 quarters, then 2 CQtrs every 3 years
Thiobencarb	0.07	Waived (2)
Toxaphene	0.003	Waived (2)
2,3,7,8-TCDD (Dioxin)	0.00000003	Waived (2)
2,4,5-TP (Silvex)	0.05	Waived (2)

(6) This frequency applies only to chemicals for which previous results have shown no detectable results (ND).

(7) Contact **your district** office **within 48 hours of receipt of any result exceeding the MCL** for a special monitoring schedule.

(8) Data substitution of up to 3 quarters of results allowed for initial monitoring compliance. Written request required with hard copy of laboratory report(s). At least 1 of 4 quarters must be sampled in initial monitoring year to comply w/initial monitoring.

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### Radiological Monitoring

#### Initial Monitoring Requirements

Radioactivity - Section 64442	MCL	Frequency
Gross Alpha particle activity (excluding radon & uranium)	15 pCi/L	4 quarters initial monitoring * (9)
Radium-226	5 pCi/L Combined Radium-226 + -228	When (GA-Uranium) > 5 pCi/L (10)
Radium-228	5 pCi/L Combined Radium-226 + -228	4 quarters initial monitoring * (9)
Uranium	20 pCi/L	When GA > 5 pCi/L (10)
Man Made Radioactivity - Section 64443		
Tritium	20000 pCi/L	Not Required
Strontium	8 pCi/L	Not Required
Gross Beta	50 pCi/L	Not Required

\* If the results from the first 2 quarters of initial monitoring are below the detection limit for the purposes of reporting (DLR), the final 2 quarters of initial monitoring may be waived.

#### 9. Routine Monitoring

a) Subsequent monitoring frequency for Gross Alpha is based on last sample collected.

Gross Alpha	Monitoring Frequency
Less than 3 pCi/L	1 sample every 9 years
$\geq 3$ and $\leq 7.5$ pCi/L	1 sample every 6 years
$> 7.5$ and $\leq 15$ pCi/L	1 sample every 3 years

b) Subsequent monitoring frequency for Radium-228 will be waived if there is no MCL exceedance.

#### 10. Triggered Monitoring

A frequency is generally not assigned to radium-226 or uranium as the monitoring for these constituents is dependent on the gross alpha results.

- a) If the Gross Alpha particle activity is less than or equal to 5 pCi/L, analysis for Uranium is not required.
- b) If the Gross Alpha particle activity for any single sample is greater than 5 pCi/L, analysis for Uranium in that same sample is required. If any single sample for Uranium is greater than 20 pCi/L, monitor at least 4 quarters for Uranium.
- c) If the Gross Alpha particle activity is  $> 5$  pCi/L, analysis for uranium may be used to obtain the radium-226 activity (GA - Uranium = Radium-226). If GA - Uranium  $> 0$ , contact your district office. If GA - Uranium  $< 0$ , report only the GA and Uranium results.

**Important** - The analysis for any or all of the constituents noted above should be from **the same sample**. On the chain-of-custody, uranium can be noted as: 'Hold Uranium (only analyze if GA  $> 5$ pCi/L)'.

**Contact your district office if the MCL is exceeded, or for clarification on monitoring frequencies.**