

| Chemical/Radiological Monitoring | | | | | | | | |
|---------------------------------------|----------------------------|-------------------------|----------------------|-----------------------------------|----------------------|-----------------------------------|----------------------------------|-----------------------------------|
| SDWIS Codes | Contaminant | MCL (mg/*) ₁ | MCLs | | Treatment Techniques | | Significant Monitoring/Reporting | |
| | | | Number of Violations | Number of Systems With Violations | Number of Violations | Number of Systems With Violations | Number of Violations | Number of Systems With Violations |
| Volatile Organic Contaminants | | | | | | | | |
| 2378 | 1,2,4-Trichlorobenzene | 0.07 | 0 | 0 | | | 4 | 4 |
| 2380 | cis-1,2-Dichloroethylene | 0.07 | 0 | 0 | | | 4 | 4 |
| 2955 | Xylenes (total) | 10 | 0 | 0 | | | 4 | 4 |
| 2964 | Dichloromethane | 0.005 | 0 | 0 | | | 4 | 4 |
| 2968 | o-Dichlorobenzene | 0.6 | 0 | 0 | | | 4 | 4 |
| 2969 | p-Dichlorobenzene | 0.075 | 0 | 0 | | | 4 | 4 |
| 2976 | Vinyl chloride | 0.002 | 0 | 0 | | | 4 | 4 |
| 2977 | 1,1-Dichloroethylene | 0.007 | 0 | 0 | | | 4 | 4 |
| 2979 | trans-1,2-Dichloroethylene | 0.1 | 0 | 0 | | | 4 | 4 |
| 2980 | 1,2-Dichloroethane | 0.005 | 0 | 0 | | | 4 | 4 |
| 2981 | 1,1,1-Trichloroethane | 0.2 | 0 | 0 | | | 4 | 4 |
| 2982 | Carbon Tetrachloride | 0.005 | 0 | 0 | | | 4 | 4 |
| 2983 | 1,2-Dichloropropane | 0.005 | 0 | 0 | | | 4 | 4 |
| 2984 | Trichloroethylene | 0.005 | 0 | 0 | | | 4 | 4 |
| 2985 | 1,1,2-Trichloroethane | 0.005 | 0 | 0 | | | 4 | 4 |
| 2987 | Tetrachloroethylene | 0.005 | 0 | 0 | | | 4 | 4 |
| 2989 | Monochlorobenzene | 0.1 | 0 | 0 | | | 4 | 4 |
| 2990 | Benzene | 0.005 | 0 | 0 | | | 4 | 4 |
| 2991 | Toluene | 1 | 0 | 0 | | | 4 | 4 |
| 2992 | Ethylbenzene | 0.7 | 0 | 0 | | | 4 | 4 |
| 2996 | Styrene | 0.1 | 0 | 0 | | | 4 | 4 |
| Synthetic Organic Contaminants | | | | | | | | |
| 2005 | Endrin | 0.002 | 0 | 0 | | | 1 | 1 |
| 2010 | Lindane | 0.0002 | 0 | 0 | | | 1 | 1 |
| 2015 | Methoxychlor | 0.04 | 0 | 0 | | | 1 | 1 |
| 2020 | Toxaphene | 0.003 | 0 | 0 | | | 1 | 1 |
| 2031 | Dalapon | 0.2 | 0 | 0 | | | 0 | 0 |
| 2032 | Diquat | 0.02 | 0 | 0 | | | 0 | 0 |
| 2033 | Endothall | 0.1 | 0 | 0 | | | 0 | 0 |
| 2034 | Glyphosate | 0.7 | 0 | 0 | | | 0 | 0 |
| 2035 | Di(2-ethylhexyl)adipate | 0.4 | 0 | 0 | | | 1 | 1 |
| 2036 | Oxamyl (Vydate) | 0.2 | 0 | 0 | | | 0 | 0 |
| 2037 | Simazine | 0.004 | 0 | 0 | | | 1 | 1 |
| 2039 | Di(2-ethylhexyl)phthalate | 0.006 | 0 | 0 | | | 1 | 1 |
| 2040 | Picloram | 0.5 | 0 | 0 | | | 0 | 0 |

| | | | | | | | | |
|---|--|------------------|----|---|---|---|----|----|
| 2041 | Dinoseb | 0.007 | 0 | 0 | | | 0 | 0 |
| 2042 | Hexachlorocyclopentadiene | 0.05 | 0 | 0 | | | 1 | 1 |
| 2043 | Aldicarb Sulfoxide | na | | | | | 0 | 0 |
| 2044 | Aldicarb Sulfone | na | | | | | 0 | 0 |
| 2046 | Carbofuran | 0.04 | 0 | 0 | | | 0 | 0 |
| 2047 | Aldicarb | na | | | | | 0 | 0 |
| 2050 | Atrazine | 0.003 | 0 | 0 | | | 1 | 1 |
| 2051 | Alachlor | 0.002 | 0 | 0 | | | 1 | 1 |
| 2063 | 2,3,7,8-TCDD (Dioxin) | 3x10-8 | 0 | 0 | | | 0 | 0 |
| 2065 | Heptachlor | 0.0004 | 0 | 0 | | | 1 | 1 |
| 2067 | Heptachlor epoxide | 0.0002 | 0 | 0 | | | 1 | 1 |
| 2105 | 2,4-D | 0.07 | 0 | 0 | | | 0 | 0 |
| 2110 | 2,4,5-TP | 0.05 | 0 | 0 | | | 0 | 0 |
| 2274 | Hexachlorobenzene | 0.001 | 0 | 0 | | | 1 | 1 |
| 2306 | Benzo[a]pyrene | 0.0002 | 0 | 0 | | | 1 | 1 |
| 2326 | Pentachlorophenol | 0.001 | 0 | 0 | | | 0 | 0 |
| 2383 | Total polychlorinated biphenyls | 0.0005 | 0 | 0 | | | 1 | 1 |
| 2931 | 1,2-Dibromo-3-chloropropane (DBCP) | 0.0002 | 0 | 0 | | | 0 | 0 |
| 2946 | Ethylene dibromide (EDB) | 0.00005 | 0 | 0 | | | 0 | 0 |
| 2959 | Chlordane | 0.002 | 0 | 0 | | | 1 | 1 |
| 2265 | Acrylamide | | | | 0 | 0 | | |
| 2257 | Epichlorohydrin | | | | 0 | 0 | | |
| per- and polyfluoroalkyl Substances (PFAS) | | | | | | | | |
| 2816 | Hexafluoropropylene oxide dimer acid (HFPO-DA) | 370 ng/L | 0 | 0 | | | 65 | 56 |
| 2801 | Perfluorobutane sulfonic acid (PFBS) | 420 ng/L | 0 | 0 | | | 65 | 56 |
| 2803 | Perfluorohexane sulfonic acid (PFHxS) | 51 ng/L | 0 | 0 | | | 65 | 56 |
| 2809 | Perfluorohexanoic acid (PFHxA) | 400,000 ng/L | 0 | 0 | | | 65 | 56 |
| 2804 | Perfluorononanoic acid (PFNA) | 6 ng/L | 0 | 0 | | | 65 | 56 |
| 2805 | Perfluorooctane sulfonic acid (PFOS) | 16 ng/L | 0 | 0 | | | 65 | 56 |
| 2806 | Perfluorooctanoic acid (PFOA) | 8 ng/L | 2 | 1 | | | 65 | 56 |
| Inorganic Contaminants | | | | | | | | |
| 1038 | Total nitrate and nitrite | 10 (as Nitrogen) | 0 | 0 | | | 0 | 0 |
| 1040 | Nitrate | 10 (as Nitrogen) | 0 | 0 | | | 5 | 5 |
| 1041 | Nitrite | 1 (as Nitrogen) | 0 | 0 | | | 0 | 0 |
| 1005 | Arsenic | 0.01 | 12 | 5 | | | 9 | 7 |
| 1010 | Barium | 2 | 0 | 0 | | | 2 | 1 |
| 1015 | Cadmium | 0.005 | 0 | 0 | | | 0 | 0 |

| | | | | | | | | |
|-------------------------------------|---------------------------|--------------------|----|---|---|---|-----|----|
| 1020 | Chromium | 0.1 | 0 | 0 | | | 0 | 0 |
| 1024 | Cyanide (as free cyanide) | 0.2 | 0 | 0 | | | 0 | 0 |
| 1025 | Fluoride | 4 | 1 | 1 | | | 0 | 0 |
| 1035 | Mercury | 0.002 | 0 | 0 | | | 0 | 0 |
| 1036 | Nickel | na | | | | | 0 | 0 |
| 1045 | Selenium | 0.05 | 0 | 0 | | | 0 | 0 |
| 1074 | Antimony | 0.006 | 0 | 0 | | | 0 | 0 |
| 1075 | Beryllium | 0.004 | 0 | 0 | | | 0 | 0 |
| 1085 | Thallium | 0.002 | 0 | 0 | | | 0 | 0 |
| 1094 | Asbestos | 7 million fibers/L | 0 | 0 | | | 0 | 0 |
| Radionuclides | | | | | | | | |
| 4000 | Gross Alpha | 15 pCi/l | 0 | 0 | | | 1 | 1 |
| 4006 | Combined Uranium | 30 ug/l | 0 | 0 | | | 0 | 0 |
| 4010 | Radium 226 and Radium 228 | 5 pCi/l | 2 | 1 | | | 3 | 3 |
| 4100 | Gross Beta | 4 mrem/yr | 0 | 0 | | | 0 | 0 |
| All Chemical Groups Subtotal | | | 17 | 8 | 0 | 0 | 575 | 74 |

| Revised Total Coliform Rule (Effective April 2016) | | | | | | | | |
|---|---|-------------------------|----------------------|-----------------------------------|----------------------|-----------------------------------|----------------------------------|-----------------------------------|
| SDWIS Codes | Contaminant | MCL (mg/*) ₁ | MCLs | | Treatment Techniques | | Significant Monitoring/Reporting | |
| | | | Number of Violations | Number of Systems With Violations | Number of Violations | Number of Systems With Violations | Number of Violations | Number of Systems With Violations |
| 1A | Acute MCL (E. coli) | Presence | 3 | 3 | | | | |
| 2A | Level 1 Assessment | | | | 0 | 0 | | |
| 2B | Level 2 Assessment | | | | 1 | 1 | | |
| 2C | Corrective action(s) | | | | 0 | 0 | | |
| 2D | Startup procedures | | | | 0 | 0 | | |
| 3A | Major routine monitoring | | | | | | 37 | 37 |
| 3B | Additional monitoring (seasonal supplies) | | | | | | 0 | 0 |
| 3C | Sampling during turbidity exceedance | | | | | | 0 | 0 |
| 3D | Certified lab and/or lab method error | | | | | | 0 | 0 |
| 4D | Notify state of E. coli positive | | | | | | 0 | 0 |
| 4E | Notify state of E. coli MCL | | | | | | 0 | 0 |
| 4F | Notify state of other violations | | | | | | 0 | 0 |
| 5A | Sampling Siting Plan errors | | | | | | 0 | 0 |
| 5B | Recordkeeping | | | | | | 0 | 0 |
| RTCR Subtotal | | | 3 | 3 | 1 | 1 | 37 | 37 |

| Lead and Copper Rule | | | | | | | | |
|----------------------|---|-------------------------|----------------------|-----------------------------------|----------------------|-----------------------------------|----------------------------------|-----------------------------------|
| SDWIS Codes | Contaminant | MCL (mg/*) ₁ | MCLs | | Treatment Techniques | | Significant Monitoring/Reporting | |
| | | | Number of Violations | Number of Systems With Violations | Number of Violations | Number of Systems With Violations | Number of Violations | Number of Systems With Violations |
| 51 | Initial lead and copper tap M/R | | | | | | 0 | 0 |
| 52 | Routine lead and copper tap M/R | | | | | | 78 | 75 |
| 53 | Water Quality Parameter M/R | | | | | | 21 | 20 |
| 56 | Source Water M/R | | | | | | 2 | 2 |
| 57 | Treatment study or recommendation | | | | 4 | 4 | | |
| 58 | Treatment installation or demonstration | | | | 0 | 0 | | |
| 59 | WQP level noncompliance | | | | 5 | 4 | | |
| 63 | Copper, Free | | | | 0 | 0 | | |
| 64 | Lead Service Line Replacement | | | | 2 | 2 | | |
| 65 | Public Education | | | | 4 | 1 | | |
| 66 | Lead Consumer Notification | | | | | | 27 | 27 |
| 9 | Failure to maintain records | | | | | | 1 | 1 |
| | LCR Subtotal | | | | 15 | 11 | 129 | 107 |

| Consumer Confidence Report Rule | | | | | | | | |
|---------------------------------|------------------------|-------------------------|----------------------|-----------------------------------|----------------------|-----------------------------------|----------------------------------|-----------------------------------|
| SDWIS Codes | Contaminant | MCL (mg/*) ₁ | MCLs | | Treatment Techniques | | Significant Monitoring/Reporting | |
| | | | Number of Violations | Number of Systems With Violations | Number of Violations | Number of Systems With Violations | Number of Violations | Number of Systems With Violations |
| 71 | Failure to produce CCR | | | | | | 112 | 106 |
| | CCR Subtotal | | | | | | 112 | 106 |

| Public Notification Rule | | | | | | | | |
|--------------------------|------------------------|-------------------------|----------------------|-----------------------------------|----------------------|-----------------------------------|----------------------------------|-----------------------------------|
| SDWIS Codes | Contaminant | MCL (mg/*) ₁ | MCLs | | Treatment Techniques | | Significant Monitoring/Reporting | |
| | | | Number of Violations | Number of Systems With Violations | Number of Violations | Number of Systems With Violations | Number of Violations | Number of Systems With Violations |
| 75 | PN for NPDWR violation | | | | | | 5 | 3 |
| | PN Subtotal | | | | | | 5 | 3 |

| Surface Water Treatment Rules | | | | | | | | |
|-------------------------------|--|-------------------------|----------------------|-----------------------------------|----------------------|-----------------------------------|----------------------------------|-----------------------------------|
| SDWIS Codes | Contaminant | MCL (mg/*) ₁ | MCLs | | Treatment Techniques | | Significant Monitoring/Reporting | |
| | | | Number of Violations | Number of Systems With Violations | Number of Violations | Number of Systems With Violations | Number of Violations | Number of Systems With Violations |
| 9 | Failure to keep proper records | | | | | | 0 | 0 |
| 29 | Individual filter triggered activities | | | | | | 2 | 2 |
| 32 | Source monitoring (LT2) | | | | | | 0 | 0 |
| 33 | Failure to submit bin class (LT2) | | | | | | 0 | 0 |
| 36 | Monitoring (SWTR-Filtered) | | | | | | 1 | 1 |
| 38 | Filter effluent monitoring/reporting | | | | | | 0 | 0 |
| 37 | Failure to profile / consult | | | | 1 | 1 | | |
| 41-0200 | Turbidity / disinfection residual | | | | 1 | 1 | | |
| 41-0800 | Failure of microbial treatment (LT2) | | | | 0 | 0 | | |
| 42-0200 | Failure to filter | | | | 0 | 0 | | |
| 42-0800 | Failure to provide LT2 treatment | | | | 1 | 1 | | |
| 43 | Combined filter effluent > 1 NTU | | | | 0 | 0 | | |
| 44 | > 5% comb. filter effluent > 0.3 NTU | | | | 0 | 0 | | |
| 45 | Failure to address deficiency | | | | 0 | 0 | | |
| 47 | Uncovered finished water storage | | | | 0 | 0 | | |
| | SWTRs Subtotal | | | | 3 | 1 | 3 | 3 |

| Disinfectants and Disinfection Byproducts Rules | | | | | | | | |
|---|------------------------------------|--------------------------------|----------------------|-----------------------------------|----------------------|-----------------------------------|----------------------------------|-----------------------------------|
| SDWIS Codes | Contaminant | MCL / MRDL (mg/*) ₁ | MCLs / MRDLs | | Treatment Techniques | | Significant Monitoring/Reporting | |
| | | | Number of Violations | Number of Systems With Violations | Number of Violations | Number of Systems With Violations | Number of Violations | Number of Systems With Violations |
| 1009 | Chlorite | 1.0 | 0 | 0 | | | 0 | 0 |
| 1011 | Bromate | 0.010 | 0 | 0 | | | 0 | 0 |
| 2456 | Total Haloacetic Acids | 0.060 | 4 | 1 | | | 49 | 47 |
| 2950 | Total Trihalomethanes | 0.080 | 3 | 2 | | | 56 | 54 |
| 2920 | Carbon, Total | | | | | | 5 | 4 |
| 0999 | Chlorine | 4.0 | 0 | 0 | | | 13 | 12 |
| 1006 | Chloramines | 4.0 | 0 | 0 | | | 0 | 0 |
| 11/1008 | Chlorine Dioxide, non-acute | 0.8 | 0 | 0 | | | 0 | 0 |
| 13/1008 | Chlorine Dioxide, acute | 0.8 | 0 | 0 | | | | |
| 12 | Certified treatment plant operator | | | | 10 | 10 | | |
| 46 | Inadequate precursor removal (TOC) | | | | 0 | 0 | | |
| 35 | Failure to Submit OEL for TTHM | | | | | | 0 | 0 |
| 9 | Failure to maintain records | | | | | | 1 | 1 |
| | DBPRs Subtotal | | 7 | 2 | 10 | 10 | 124 | 71 |

| Ground Water Rule | | | | | | | | |
|-------------------|---|-------------------------|----------------------|-----------------------------------|----------------------|-----------------------------------|--|-----------------------------------|
| SDWIS Codes | Contaminant | MCL (mg/*) ¹ | MCLs | | Treatment Techniques | | Significant Monitoring/Reporting/Other | |
| | | | Number of Violations | Number of Systems With Violations | Number of Violations | Number of Systems With Violations | Number of Violations | Number of Systems With Violations |
| 19 | Source water assessment monitoring | | | | | | 0 | 0 |
| 31 | Failure to monitor treatment (4-log) | | | | | | 0 | 0 |
| 34 | Failure to monitor source water | | | | | | 13 | 13 |
| 41 | Failure of microbial treatment (4-log) | | | | 0 | 0 | | |
| 42 | Failure to provide treatment | | | | 0 | 0 | | |
| 45 | Failure to address significant deficiency | | | | 9 | 7 | | |
| 48 | Failure to address contamination | | | | 0 | 0 | | |
| 5 | Failure to notify state | | | | | | 0 | 0 |
| 9 | Failure to maintain records | | | | | | 0 | 0 |
| 20 | Failure to consult with state | | | | | | 0 | 0 |
| 28 | Sanitary survey cooperation failure | | | | | | 0 | 0 |
| 73 | Failure to notify consecutive system(s) | | | | | | 0 | 0 |
| | GWR Subtotal | | | | 9 | 7 | 13 | 13 |

¹ Values are in milligrams per liter (mg/l), unless otherwise specified.

| Summary Table | |
|--|-------|
| Total Number of Regulated Systems | 1,380 |
| Total Number of Systems in Violation (generally lower than the total number of violations, as one system may violate multiple requirements) | 346 |
| Total Number of Violations | 1,063 |