

State: OHIO
Reporting JANUARY 1, 2007 -
Interval: DECEMBER 31, 2007

SDWIS Codes	Contaminant	MCL (mg/L) <sup>1</sup>	# of Systems Required to Comply 2005-2007	MCLs			Significant Monitoring/Reporting					
				Number of Violations	Number of Systems With Violations	Percent of Systems in Compliance	Number of Violations	Number of Systems With Violations	Percent of Systems in Compliance	Number of Violations	Number of Systems With Violations	Percent of Systems in Compliance
	<b>Organic Contaminants</b>											
2981	1,1,1-Trichloroethane	0.2	1929	0	0	100.0%				50	45	97.7%
2977	1,1-Dichloroethylene	0.007	1929	0	0	100.0%				50	45	97.7%
2985	1,1,2-Trichloroethane	0.005	1929	0	0	100.0%				50	45	97.7%
2378	1,2,4-Trichlorobenzene	0.07	1929	0	0	100.0%				50	45	97.7%
2931	1,2-Dibromo-3-chloropropane (DBCP)	0.0002	0	N/A	N/A	N/A				N/A	N/A	N/A
2980	1,2-Dichloroethane	0.005	1929	0	0	100.0%				50	45	97.7%
2983	1,2-Dichloropropane	0.005	1929	1	1	99.9%				50	45	97.7%
2063	2,3,7,8-TCDD (Dioxin)	3x10 <sup>-8</sup>	1929	0	0	100.0%				0	0	100.0%
2110	2,4,5-TP	0.05	0	N/A	N/A	N/A				N/A	N/A	N/A
2105	2,4-D	0.07	1929	0	0	100.0%				0	0	100.0%
2265	Acrylamide						N/A	N/A	N/A			
2051	Alachlor	0.002	1929	0	0	100.0%				2	2	99.9%
2050	Atrazine	0.003	1929	0	0	100.0%				2	2	99.9%
2990	Benzene	0.005	1929	0	0	100.0%				50	45	97.7%
2306	Benzo[a]pyrene	0.0002	1929	0	0	100.0%				0	0	100.0%
2046	Carbofuran	0.04	1929	0	0	100.0%				0	0	100.0%
2982	Carbon tetrachloride	0.005	1929	0	0	100.0%				50	45	97.7%
2959	Chlordane	0.002	0	N/A	N/A	N/A				N/A	N/A	N/A
2380	cis-1,2-Dichloroethylene	0.07	1929	0	0	100.0%				50	45	97.7%
2031	Dalapon	0.2	0	N/A	N/A	N/A				N/A	N/A	N/A
2035	Di(2-ethylhexyl)adipate	0.4	1929	0	0	100.0%				0	0	100.0%
2039	Di(2-ethylhexyl)phthalate	0.006	1929	0	0	100.0%				0	0	100.0%
2964	Dichloromethane	0.005	1929	0	0	100.0%				50	45	97.7%
2041	Dinoseb	0.007	0	N/A	N/A	N/A				N/A	N/A	N/A
2032	Diquat	0.02	1929	0	0	100.0%				0	0	100.0%
2033	Endothall	0.1	1929	0	0	100.0%				0	0	100.0%

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2005	Endrin	0.002	0	N/A	N/A	N/A				N/A	N/A	N/A
2257	Epichlorohydrin						N/A	N/A	N/A			
2992	Ethylbenzene	0.7	1929	0	0	100.0%				50	45	98.6%
2946	Ethylene dibromide	0.00005	0	N/A	N/A	N/A				N/A	N/A	N/A
2034	Glyphosate	0.7	1929	0	0	100.0%				0	0	100.0%
2065	Heptachlor	0.0004	0	N/A	N/A	N/A				N/A	N/A	N/A
2067	Heptachlor epoxide	0.0002	0	N/A	N/A	N/A				N/A	N/A	N/A
2274	Hexachlorobenzene	0.001	0	N/A	N/A	N/A				N/A	N/A	N/A
2042	Hexachlorocyclopentadiene	0.05	0	N/A	N/A	N/A				N/A	N/A	N/A
2010	Lindane	0.0002	1929	0	0	100.0%				0	0	100.0%
2015	Methoxychlor	0.04	1929	0	0	100.0%				0	0	100.0%
2989	Monochlorobenzene	0.1	1929	0	0	100.0%				50	45	97.7%
2968	o-Dichlorobenzene	0.6	1929	0	0	100.0%				50	45	97.7%
2969	p-Dichlorobenzene	0.075	1929	0	0	100.0%				50	45	97.7%
2383	Total polychlorinated biphenyls	0.0005	1929	0	0	100.0%				0	0	100.0%
2326	Pentachlorophenol	0.001	1929	0	0	100.0%				0	0	100.0%
2987	Tetrachloroethylene	0.005	1929	2	1	99.9%				50	45	97.7%
2984	Trichloroethylene	0.005	1929	0	0	100.0%				50	45	97.7%
2996	Styrene	0.1	1929	0	0	100.0%				50	45	97.7%
2991	Toluene	1	1929	0	0	100.0%				50	45	97.7%
2979	trans-1,2-Dichloroethylene	0.1	1929	0	0	100.0%				50	45	97.7%
2955	Xylenes (total)	10	1929	0	0	100.0%				50	45	97.7%
2020	Toxaphene	0.003	0	N/A	N/A	N/A				N/A	N/A	N/A
2036	Oxamyl (Vydate)	0.2	1929	0	0	100.0%				0	0	100.0%
2040	Picloram	0.5	1929	0	0	100.0%				0	0	100.0%
2037	Simazine	0.004	1929	0	0	100.0%				2	2	99.9%
2976	Vinyl chloride	0.002	1929	0	0	100.0%				50	45	97.7%

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2920	Total Organic Carbon		142				2	1	99.3%	3	3	97.9%
2456	Haloacetic Acids (HAA5)	0.60	1483	32	14	99.1%				73	73	95.1%
2950	Total trihalomethanes	0.800	1483	92	34	97.7%				75	74	95.0%
	Inorganic Contaminants											
1074	Antimony	0.006	1929	0	0	100.0%				22	18	99.1%
1005	Arsenic	0.01	1929	205	71	96.3%				53	42	97.8%
1094	Asbestos	7 million fibers/L greater than or equal to 10 um long	1929	0	0	100.0%				0	0	100.0%
1010	Barium	2	1929	0	0	100.0%				16	16	99.2%
1075	Beryllium	0.004	1929	0	0	100.0%				7	7	99.6%
1015	Cadmium	0.005	1929	0	0	100.0%				7	7	99.6%
1020	Chromium	0.1	1929	0	0	100.0%				8	8	99.6%
1024	Cyanide (as free cyanide)	0.2	1929	0	0	100.0%				9	9	99.5%
1025	Fluoride	4.0	1929	0	0	100.0%				7	7	99.6%
1035	Mercury	0.002	1929	0	0	100.0%				7	7	99.6%
1040	Nitrate	10 (as Nitrogen)	5066	7	5	99.9%				262	246	95.1%
1041	Nitrite	1 (as Nitrogen)	5066	0	0	100.0%				0	0	100.0%
1045	Selenium	0.05	1929	0	0	100.0%				7	7	99.6%
1085	Thallium	0.002	1929	0	0	100.0%				16	16	99.2%
1038	Total nitrate and nitrite	10 (as Nitrogen)	N/A	N/A	N/A	N/A				N/A	N/A	N/A
	Radionuclide MCLs											
4002	Gross alpha	15 pCi/L	1026	0	0	100.0%				15	10	99.0%
4010	Radium-Total (226, 228)	5 pCi/L	1026	0	0	100.0%				15	10	99.0%

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4030	Radium 228	N/A	N/A	N/A	N/A	N/A				N/A	N/A	N/A
4006	Uranium	30 ug/L	N/A	N/A	N/A	N/A				N/A	N/A	N/A
4100	Gross beta	4 mrem/yr	1026	0	0	100.0%				0	0	100.0%
	<b>All Chemical Groups Totals</b>		5340	339	116	97.8%				1656	455	91.5%

<b>Total Coliform Rule</b>												
21	Acute MCL violation	Presence	5340	24	20	99.6%						
22	Non-acute MCL violation	Presence	5340	347	283	94.7%						
23, 25	Major routine and follow up monitoring		5340							1299	872	83.7%
28	Sanitary survey <sup>2</sup>									N/A	N/A	N/A
	<b>TCR Totals</b>		5340	371	283	94.7%				1299	872	83.7%

<b>Surface Water Treatment</b>												
	Filtered systems											
36	Monitoring		142							2	1	99.3%
41	Treatment techniques		142				47	13	90.8%			
	Unfiltered systems											
31	Monitoring		142							0	0	100.0%
42	Failure to filter		142				4	2	98.6%			
	<b>SWTR Totals</b>		142				51	15	89.4%	2	1	99.3%
	<b>Interim Enhanced SWTR</b>											
44	Treatment techniques		142				2	2	98.6%			
38	Monitoring		142							2	2	98.6%
	<b>IESWTR Totals</b>		142				2	2	98.6%	2	2	98.6%

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	<b>Lead and Copper Rule</b>											
51	Initial lead and copper tap M/R		1929							12	10	99.5%
52	Follow-up or routine lead and copper tap M/R		1929							88	84	95.6%
58, 62	Treatment Installation		NA				NA	NA	NA			
65	Public education		1929				4	4	99.8%			
	<b>Lead &amp; Copper Totals</b>		1929				4	4	99.8%	100	94	95.1%

SDWIS Codes		MCL (mg/L) <sup>1</sup>	# Systems Required to Comply 2005-2007	CCR Notifications		
				Number of Violations	Number of Systems With Violations	Percent of Systems in Compliance
	<b>Consumer Confidence Report (CCR):</b>					
71	Report Violation		1,296	24	24	98.1%
72	Adequacy, Delivery, Content		1,296	29	29	97.8%
	<b>CCR Totals</b>		1,296	53	52	96.0%

1. Values are in milligrams per liter (mg/L), unless otherwise specified.
2. Number of major monitoring violations for sanitary survey under the Total Coliform Rule.

#### Definitions for Violations Table

The following definitions apply to the Summary of Violations table.

NA: Not Applicable, no requirements for 2007, compliance rate is not calculated.

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**Consumer Confidence Report:** Requires every Community Water System to deliver to its customers a brief annual water quality report. This report is to include some educational material, and will provide information on the source water, the levels of any detected contaminants, and compliance with drinking water regulations.

*Significant Consumer Notification Violations:* SDWIS Violation Code 71 occurs when a community water system completely fails to provide its customers the required annual water quality report.

**Filtered Systems:** Water systems that have installed filtration treatment [40 CFR 141, Subpart H].

**Inorganic Contaminants:** Non-carbon-based compounds such as metals, nitrates, and asbestos. These contaminants are naturally-occurring in some water, but can get into water through farming, chemical manufacturing, and other human activities. EPA has established MCLs for 15 inorganic contaminants [40 CFR 141.62].

**Lead and Copper Rule:** This rule established national limits on lead and copper in drinking water [40 CFR 141.80-91]. Lead and copper corrosion pose various health risks when ingested at any level, and can enter drinking water from household pipes and plumbing fixtures. States report violations of the Lead and Copper Rule in the following six categories:

*Initial lead and copper tap M/R:* SDWIS Violation Code 51 indicates that a system did not meet initial lead and copper testing requirements, or failed to report the results of those tests to the State.

*Follow-up or routine lead and copper tap M/R:* SDWIS Violation Code 52 indicates that a system did not meet follow-up or routine lead and copper tap testing requirements, or failed to report the results.

*Treatment installation:* SDWIS Violation Codes 58 AND 62 indicate a failure to install optimal corrosion control treatment system (58) or source water treatment system (62) which would reduce lead and copper levels in water at the tap. [One number is to be reported for the sum of violations in these two categories].

*Public education:* SDWIS Violation Code 65 shows that a system did not provide required public education about reducing or avoiding lead intake from water.

**Maximum Contaminant Level (MCL):** The highest amount of a contaminant that EPA allows in drinking water. MCLs ensure that drinking water does not pose either a short-term or long-term health risk. MCLs are defined in milligrams per liter (parts per million) unless otherwise specified.

**Monitoring:** EPA specifies which water testing methods the water systems must use, and sets schedules for the frequency of testing. A water system that does not follow EPA's schedule or methodology is in violation [40 CFR 141].

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States must report monitoring violations that are significant as determined by the EPA Administrator and in consultation with the States. For purposes of this report, significant monitoring violations are major violations and they occur when no samples are taken or no results are reported during a compliance period. A major monitoring violation for the surface water treatment rule occurs when at least 90% of the required samples are not taken or results are not reported during the compliance period.

**Organic Contaminants:** Carbon-based compounds, such as industrial solvents and pesticides. These contaminants generally get into water through runoff from cropland or discharge from factories. EPA has set legal limits on 54 organic contaminants that are to be reported [40 CFR 141.61].

**Radionuclides:** Radioactive particles which can occur naturally in water or result from human activity. EPA has set legal limits on the following types of radionuclides: radium-226 and radium-228 (combined), gross alpha, beta particle/photon radioactivity; and uranium [40 CFR 141]. Violations for these contaminants are to be reported using the following three categories:

*Gross alpha:* SDWIS Contaminant Code 4002 for alpha radiation above MCL of 15 picocuries/liter. Gross alpha includes radium-226 but excludes radon and uranium.

*Combined radium-226 and radium-228:* SDWIS Contaminant Code 4010 for combined radiation from these two isotopes above MCL of 5 pCi/L.

*Gross beta:* SDWIS Contaminant Code 4101 for beta particle and photon radioactivity from man-made radionuclides above 4 millirem/year.

**Reporting Interval:** The reporting interval for violations to be included in the PWS Annual Compliance Report is from January 1, 2006 through December 31, 2006.

**SDWIS Code:** Specific numeric codes from the Safe Drinking Water Information System (SDWIS) have been assigned to each violation type included in this report. The violations to be reported include exceeding contaminant MCLs, failure to comply with treatment requirements, and failure to meet monitoring and reporting requirements. Four-digit SDWIS Contaminant Codes have also been included in the chart for specific MCL contaminants.

**Surface Water Treatment Rule:** The Surface Water Treatment Rule establishes criteria under which water systems supplied by surface water sources, or ground water sources under the direct influence of surface water, must filter and disinfect their water [40 CFR 141, Subpart H]. Violations of the "Surface Water Treatment Rule" are to be reported for the following four categories:

*Monitoring, routine/repeat (for filtered systems):* SDWIS Violation Code 36 indicates a system's failure to carry out required tests, or to report the results of those tests.

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*Treatment techniques (for filtered systems):* SDWIS Violation Code 41 shows a system's failure to properly treat its water.

*Monitoring, routine/repeat (for unfiltered systems):* SDWIS Violation Code 31 indicates a system's failure to carry out required water tests, or to report the results of those tests.

*Failure to filter (for unfiltered systems):* SDWIS Violation Code 42 shows a system's failure to properly treat its water. Data for this violation code will be supplied to the States by EPA.

**Total Coliform Rule (TCR):** The Total Coliform Rule establishes regulations for microbiological contaminants in drinking water. These contaminants can cause short-term health problems. If no samples are collected during the one month compliance period, a significant monitoring violation occurs. States are to report four categories of violations:

*Acute MCL violation:* SDWIS Violation Code 21 indicates that the system found fecal coliform or E. coli, potentially harmful bacteria, in its water, thereby violating the rule.

*Non-acute MCL violation:* SDWIS Violation Code 22 indicates that the system found total coliform in samples of its water at a frequency or at a level that violates the rule. For systems collecting fewer than 40 samples per month, more than one positive sample for total coliform is a violation. For systems collecting 40 or more samples per month, more than 5% of the samples positive for total coliform is a violation.

*Major routine and follow-up monitoring:* SDWIS Violation Codes 23 AND 25 show that a system did not perform any monitoring. [One number is to be reported for the sum of violations in these two categories.]

*Sanitary Survey:* SDWIS Violation Code 28 indicates a major monitoring violation if a system fails to collect 5 routine monthly samples if sanitary survey is not performed.

**Treatment Techniques:** A water disinfection process that EPA requires instead of an MCL for contaminants that laboratories cannot adequately measure. Failure to meet other operational and system requirements under the Surface Water Treatment and the Lead and Copper Rules have also been included in this category of violation for purposes of this report.

**Unfiltered Systems:** Water systems that do not need to filter their water before disinfecting it because the source is very clean [40 CFR, Subpart H].

**Violation:** A failure to meet any state or federal drinking water regulation.