Appendix A
Compliance Table

State:	OHIO
Reporting Interval:	JANUARY 1, 2001 - DECEMBER 31, 2001

SDWIS Codes	Contaminant	MCL (mg/ℓ)[1]	Number of Systems Required to Sample during 2001	MCLs			Treatment Techniques			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 ViolationsPercent of Systems in Compliance
	Organic Contaminants											
2981	1,1,1-Trichloroethane	0.2	1405	0	0	100.0%				188	175	87.5%
2977	1,1-Dichloroethylene	0.007	1405	0	0	100.0%				188	175	87.5%
2985	1,1,2-Trichloroethane	0.005	1405	0	0	100.0%				188	175	87.5%
2378	1,2,4-Trichlorobenzene	0.07	1405	0	0	100.0%				188	175	87.5%
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	1405	0	0	100.0%				188	175	87.5%
2983	1,2-Dichloropropane	0.005	1405	0	0	100.0%				188	175	87.5%
2063	2,3,7,8-TCDD (Dioxin)	$3x10^{-8}$	23	0	0	100.0%				9	9	60.8%
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	264	0	0	100.0%				24	24	90.9%

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2265	Acrylamide						0	0	N/A			
2051	Alachlor	0.002	194	0	0	100.0%				37	34	82.4%
2050	Atrazine	0.003	194	0	0	100.0%				37	34	82.4%
2990	Benzene	0.005	1405	0	0	100.0%				188	175	87.5%
2306	Benzo[a]pyrene	0.0002	264	0	0	100.0%				24	24	90.9%
2046	Carbofuran	0.04	264	0	0	100.0%				24	24	90.9%
2982	Carbon tetrachloride	0.005	1405	0	0	100.0%				188	175	87.5%
2959	Chlordane	0.002	0	N/A	N/A	N/A				N/A	N/A	N/A
2380	cis-1,2-Dichloroethylene	0.07	1405	0	0	100.0%				188	175	87.5%
2031	Dalapon	0.2	0	N/A	N/A	N/A				N/A	N/A	N/A
2035	Di(2-ethylhexyl)adipate	0.4	264	0	0	100.0%				23	23	91.2%
2039	Di(2-ethylhexyl)phthalate	0.006	295	0	0	100.0%				34	34	88.4%
2964	Dichloromethane	0.005	1405	0	0	100.0%				188	175	87.5%
2041	Dinoseb	0.007	0	N/A	N/A	N/A				N/A	N/A	N/A
2032	Diquat	0.02	264	0	0	100.0%				25	24	90.9%

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				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 ViolationsPercent of Systems in Compliance
2033	Endothall	0.1	264	0	0	100.0%				24	24	90.9%
2005	Endrin	0.002	0	N/A	N/A	N/A				N/A	N/A	N/A
2257	Epichlorohydrin						0	0	100			
2992	Ethylbenzene	0.7	1405	0	0	100.0%				188	175	87.5%
2946	Ethylene dibromide	0.00005	0	N/A	N/A	N/A				N/A	N/A	N/A
2034	Glyphosate	0.7	264	0	0	100.0%				25	25	90.5%
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	264	0	0	100.0%				26	26	90.1%
2015	Methoxychlor	0.04	264	0	0	100.0%				24	24	90.9%
2989	Monochlorobenzene	0.1	1405	0	0	100.0%				188	175	87.5%
2968	o-Dichlorobenzene	0.6	1405	0	0	100.0%				188	175	87.5%

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				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 ViolationsPercent of Systems in Compliance
2969	p-Dichlorobenzene	0.075	1405	0	0	100.0%				188	175	87.5%
2383	Total polychlorinated biphenyls	0.0005	263	0	0	100.0%				28	28	89.3%
2326	Pentachlorophenol	0.001	264	0	0	100.0%				25	25	90.5%
2987	Tetrachloroethylene	0.005	1405	0	0	100.0%				188	175	87.5%
2984	Trichloroethylene	0.005	1405	0	0	100.0%				188	175	87.5%
2996	Styrene	0.1	1405	0	0	100.0%				188	175	87.5%
2991	Toluene	1	1405	0	0	100.0%				188	175	87.5%
2979	trans-1,2-Dichloroethylene	0.1	1405	0	0	100.0%				188	175	87.5%
2955	Xylenes (total)	10	1405	0	0	100.0%				188	175	87.5%
2020	Toxaphene	0.003	0	N/A	N/A	N/A				N/A	N/A	N/A
2036	Oxamyl (Vydate)	0.2	264	0	0	100.0%				24	24	90.9%
2040	Picloram	0.5	264	0	0	100.0%				23	23	91.2%
2037	Simazine	0.004	194	0	0	100.0%				37	34	82.4%
2976	Vinyl chloride	0.002	1405	3	1	99.9%				188	175	87.5%

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				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 ViolationsPercent of Systems in Compliance
2950	**Total trihalomethanes**	**0.10**	**129**	**3**	**1**	**99.2%**				**7**	**7**	**94.5%**

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				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 ViolationsPercent of Systems in Compliance
	Inorganic Contaminants											
1074	Antimony	0.006	990	0	0	100.0%				98	98	90.1%
1005	Arsenic	0.05	1124	1	1	99.9%				98	98	91.2%
1094	Asbestos	7 million fibers/ℓ ≤ 10 µm long	58	0	0	100.0%				9	9	84.4%
1010	Barium	2	590	0	0	100.0%				67	67	88.6%
1075	Beryllium	0.004	990	0	0	100.0%				100	100	89.8%
1015	Cadmium	0.005	589	0	0	100.0%				67	67	88.6%
1020	Chromium	0.1	589	0	0	100.0%				64	64	89.1%
1024	Cyanide (as free cyanide)	0.2	70	0	0	100.0%				16	16	77.1%
1025	Fluoride	4.0	1122	2	1	99.9%				99	99	91.1%
1035	Mercury	0.002	589	1	1	99.8%				67	67	88.6%
1040	Nitrate	10 (as Nitrogen)	5434	17	12	99.7%				714	442	91.4%

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				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 ViolationsPercent of Systems in Compliance
1041	Nitrite	1 (as Nitrogen)	173	0	0	100.0%				1	1	99.4%
1045	Selenium	0.05	589	0	0	100.0%				67	67	88.6%
1085	Thallium	0.002	990	0	0	100.0%				99	99	90.0%
1038	Total nitrate and nitrite	10 (as Nitrogen)	N/A	N/A	N/A	N/A				N/A	N/A	N/A

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				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 ViolationsPercent of Systems in Compliance
	Radionuclide MCLs											
4000	Gross alpha	15 pCi/ℓ	595	0	0	100.0%				39	37	93.7%
4010	Radium-226 and radium-228	5 pCi/ℓ	595	4	1	99.8%				1	1	99.8%
4100	Gross beta	4 mrem/yr	140	0	0	100.0%				6	4	97.1%
	All Chemical Groups Subtotal		5718	31	18	99.6%				2,306	724	87.3%

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				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 ViolationsPercent of Systems in Compliance
	Total Coliform Rule											
21	**Acute MCL violation**	**Presence**	**5,718**	**342**	**291**	**95.0%**						
22	**Non-acute MCL violation**	**Presence**	**5,718**	**550**	**455**	**92.0%**						
23,25	**Major routine and follow up monitoring**		**5,718**							**2,043**	**1,282**	**78.0%**
28	**Sanitary survey[2]**									**-**	**-**	**-**
	TCR Subtotal		**5,718**	**892**	**620**	**89.0%**				**2,043**	**1,282**	**78.0%**

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				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 ViolationsPercent of Systems in Compliance
	Surface Water Treatment Rule											
	Filtered systems											
36	**Monitoring**		**182**							**1**	**1**	**99.5%**
41	**Treatment techniques**		**182**				**444**	**69**	**62.0%**			
	Unfiltered systems											
31	**Monitoring**		**NA**							**NA**	**NA**	**NA**
42	**Failure to filter**		**NA**				**NA**	**NA**	**NA**			
	SWTR Subtotal		**182**				**444**	**69**	**62.0%**	**1**	**1**	**99.5%**

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				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 ViolationsPercent of Systems in Compliance
	Lead and Copper Rule											
51	**Initial lead and copper tap M/R**		**154**							**12**	**12**	**92.0%**
52	**Follow-up or routine lead and copper tap M/R**		**912**							**115**	**115**	**89.0%**
58, 62	**Treatment Installation**		**N/A**				**NA**	**NA**	**NA**			
65	**Public education**		**33**				**0**	**0**	**100.0%**			
	Lead & Copper Subbtotal		**1,099**				**0**	**0**	**100.00%**	**127**	**127**	**88.0%**

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SDWIS Codes		MCL (mg/ℓ)[3]	Number of Systems Required to Sample during 2001	CCR Notifications		
				Number of Violations	Number of Systems With Violations	Percent of Systems in Compliance
	Consumer Confidence Report (CCR):					
71	**Report Violation**		**1,362**	**67**	**67**	**95.0%**
72	**Adequacy, Delivery,Content**		**1,362**	**139**	**139**	**90.0%**
	CCR Totals		**1,362**	**206**	**206**	**85.0%**

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 2001, compliance rate is not calculated.

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].

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 four types of radionuclides: radium-226, radium-228, gross alpha, and beta particle/photon radioactivity [40 CFR 141]. Violations for these contaminants are to be reported using the following three categories:

Gross alpha: SDWIS Contaminant Code 4000 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 first PWS Annual Compliance Report is from January 1, 1999 through December 31, 1999.

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.

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.