



FACTOIDS: Drinking Water and Ground Water Statistics for 2003

Office of Ground Water and
Drinking Water (4606M)
EPA 816-K-03-001
www.epa.gov/safewater
January 2004

Printed on Recycled Paper

There are approximately 160,000 public drinking water systems in the United States. Each of these systems regularly supplies drinking water to at least 25 people or 15 service connections. Beyond their common purpose, the 160,000 systems vary widely. The following tables group water systems into categories that show their similarities and differences. For example, the first table shows that most people in the US (268 million) get their water from a community water system. There are approximately 54,000 community water systems, but just seven percent of those systems (3,797) serve 81 percent of the people. The second table shows that more water systems have ground water than surface water as a source--but more people drink from a surface water system. Other tables break down these national numbers by state, territory, and EPA region.

This package also contains figures on the types and locations of underground injection control wells. EPA and states regulate the placement and operation of these wells to ensure that they do not threaten underground sources of drinking water. The underground injection control program statistics are based on separate reporting from the states to EPA.

The drinking water system statistics on the following pages are taken from the Safe Drinking Water Information System/Federal version (SDWIS/Fed). SDWIS/Fed is the U.S. Environmental Protection Agency's official record of public drinking water systems, their violations of state and EPA regulations, and enforcement actions taken by EPA or states as a result of those violations. EPA maintains the database using information collected and submitted by the states.

Notice: Compliance statistics are based on violations reported by states to the EPA Safe Drinking Water Information System. EPA is aware of inaccuracies and underreporting of some data in this system. We are working with the states to improve the quality of the data. An analysis of SDWIS/Fed data quality is available at www.epa.gov/safewater/data/reports.html

For more information and additional drinking water data tables, please visit <http://www.epa.gov/safewater/data/getdata.html>.

Acronyms & Abbeviations:

CWS: Community Water System

FY: (federal) Fiscal Year [October 1-September 30]

GPRA: Government Performance and Results Act--program measures

M/R: Monitoring/Reporting violation [water system's failure to monitor for, or report to the state, the level of a contaminant on the required schedule]

MCL: Maximum Contaminant Level [the legal limit on a contaminant in drinking water]

MRDL: Maximum Residual Disinfectant Level [for disinfectants added to drinking water]

NTNCWS: Non-Transient Non-Community Water System

Other: Other violations of EPA rules (including failure to provide public notice of another violation, or failure to prepare and/or distribute a Consumer Confidence Report)

Pop. Served: Population served (by a water system)

PWS: Public Water System

PWSS: Public Water System Supervision program

SDWIS/FED: Safe Drinking Water System/Federal version

TNCWS: Transient Non-Community Water System

TT: Treatment Technique [a drinking water treatment required by EPA or state rules]

FY2003 Drinking Water Factoids

Public Water System Inventory data

Active, current systems, from Safe Drinking Water Information System/Federal version (SDWIS/FED) 03Q4 frozen inventory table

System size

by population served

		Very Small 500 or less	Small 501-3,300	Medium 3,301-10,000	Large 10,001-100,000	Very Large >100,000	Total
CWS	# systems	30,417	14,394	4,686	3,505	361	53,363
	Pop. served	5,010,834	20,261,508	27,201,137	98,706,485	122,149,436	273,329,400
	% of systems	57%	27%	9%	7%	1%	100%
	% of pop	2%	7%	10%	36%	45%	100%
NTNCWS	# systems	16,785	2,786	97	16	2	19,686
	Pop. served	2,327,575	2,772,334	506,124	412,463	279,846	6,298,342
	% of systems	85%	14%	0%	0%	0%	100%
	% of pop	37%	44%	8%	7%	4%	100%
TNCWS	# systems	85,366	2,657	96	29	4	88,152
	Pop. served	7,315,647	2,602,706	528,624	619,248	12,269,000	23,335,225
	% of systems	97%	3%	0%	0%	0%	100%
	% of pop	31%	11%	2%	3%	53%	100%
Total # syster		132,568	19,837	4,879	3,550	367	161,201

CWS = Community Water System: A public water system that supplies water to the same population year-round.

NTNCWS = Non-Transient Non-Community Water System: A public water system that regularly supplies water to at least 25 of the same people at least six months per year, but not year-round. Some examples are schools, factories, office buildings, and hospitals which have their own water systems.

TNCWS = Transient Non-Community Water System: A public water system that provides water in a place such as a gas station or campground where people do not remain for long periods of time.

Water source

Type		Ground Water	Surface Water	Totals
CWS	# systems	41,499	11,864	53,363
	Pop. served	86,348,074	186,981,326	273,329,400
	% of systems	78%	22%	100%
	% of pop	32%	68%	100%
NTNCWS	# systems	18,908	778	19,686
	Pop. served	5,568,192	730,150	6,298,342
	% of systems	96%	4%	100%
	% of pop	88%	12%	100%
TNCWS	# systems	86,061	2,091	88,152
	Pop. served	10,527,089	12,808,136	23,335,225
	% of systems	98%	2%	100%
	% of pop	45%	55%	100%
Total # syster		146,468	14,733	161,201
		102,443,355	200,519,612	

Ground water systems = ground water (GW), purchased ground water (GWP)

Surface water systems = surface water (SW), purchased surface water (SWP),

ground water under the direct influence of surface water (GU),

purchased ground water under the direct influence of surface water (GUP).

SDWIS/FED 03Q4 tables were "frozen" in early January 2004

FY2003 water system data--by State

Key: # systems
pop. served

Active, current systems, from SDWIS/FED 03Q4 frozen inventory table

Health-based (Treatment Technique & Maximum Contaminant Level) violations, from 03Q4 frozen violations table

CWSs w/ reported health-based violations

	CWS	NTCWS	TNCWS	Total	Ground	Surface	CWSs w/ reported health-based violations	
AK	434	213	936	1,583	1,337	246	54	12%
	461,264	43,412	91,513	596,189	294,193	301,996	39,169	8%
AL	607	32	72	711	417	294	37	6%
	5,167,519	19,448	7,399	5,194,366	1,476,656	3,717,710	297,032	6%
AR	730	61	329	1,120	705	415	84	12%
	2,482,867	12,622	17,365	2,512,854	920,088	1,592,766	245,181	10%
AZ	799	210	644	1,653	1,442	211	79	10%
	4,766,531	132,626	132,193	5,031,350	1,440,327	3,591,023	520,647	11%
CA	3,140	1,413	3,017	7,570	6,488	1,082	58	2%
	36,207,653	495,441	11,031,005	47,734,099	10,688,260	37,045,839	183,651	1%
CO	836	170	1,004	2,010	1,569	441	50	6%
	4,923,405	91,311	264,435	5,279,151	782,198	4,496,953	519,279	11%
CT	573	667	1,754	2,994	2,924	70	65	11%
	2,660,903	129,913	60,447	2,851,263	501,499	2,349,764	46,143	2%
DC	2			2		2		0%
	595,000			595,000		595,000		0%
DE	226	102	176	504	501	3	15	7%
	790,178	25,247	57,545	872,970	596,840	276,130	6,401	1%
FL	1,925	1,045	3,433	6,403	6,328	75	116	6%
	16,281,037	263,623	298,672	16,843,332	14,222,761	2,620,571	1,501,239	9%
GA	1,678	251	559	2,488	2,268	220	85	5%
	7,119,376	72,646	88,806	7,280,828	1,599,694	5,681,134	496,033	7%
HI	116	9	4	129	113	16	5	4%
	1,285,174	6,385	500	1,292,059	1,169,290	122,769	55,326	4%
IA	1,140	146	688	1,974	1,814	160	63	6%
	2,526,314	45,068	88,128	2,659,510	1,473,634	1,185,876	122,070	5%
ID	748	245	1,048	2,041	1,969	72	74	10%
	924,721	52,667	114,320	1,091,708	839,838	251,870	100,641	11%
IL	1,797	416	3,370	5,583	4,860	723	163	9%
	11,300,507	150,302	374,357	11,825,166	3,297,942	8,527,224	744,546	7%
IN	853	715	2,928	4,496	4,364	132	94	11%
	4,499,532	210,497	417,480	5,127,509	2,822,028	2,305,481	146,494	3%
KS	912	58	102	1,072	745	327	84	9%
	2,581,726	23,945	4,054	2,609,725	830,695	1,779,030	287,363	11%
KY	424	57	138	619	260	359	23	5%
	4,588,463	21,968	11,453	4,621,884	364,993	4,256,891	228,262	5%
LA	1,131	185	323	1,639	1,556	83	107	9%
	4,878,378	72,684	74,731	5,025,793	3,022,291	2,003,502	465,747	10%
MA	517	250	920	1,687	1,504	183	88	17%
	8,955,179	71,673	142,832	9,169,684	2,157,850	7,011,834	1,292,000	14%
MD	501	569	2,687	3,757	3,661	96	29	6%
	4,502,328	162,742	167,496	4,832,566	874,747	3,957,819	79,550	2%
ME	395	373	1,211	1,979	1,900	79	74	19%
	615,264	72,052	197,391	884,707	454,721	429,986	96,005	16%
MI	1,447	1,689	8,986	12,122	11,815	307	54	4%
	7,197,342	471,246	1,063,724	8,732,312	3,203,122	5,529,190	106,298	1%
MN	963	565	6,257	7,785	7,675	110	20	2%
	4,040,822	84,158	490,353	4,615,333	3,184,810	1,430,523	70,585	2%
MO	1,456	254	1,001	2,711	2,475	236	153	11%
	4,864,516	79,159	133,877	5,077,552	1,785,200	3,292,352	170,771	4%
MS	1,168	94	116	1,378	1,374	4	46	4%
	3,007,045	81,400	24,648	3,113,093	2,789,142	323,951	159,509	5%

FY2003 water system data--by State, (

Key: # systems
Pop served

Active, current systems, from SDWIS/FED 03Q4 frozen inventory table

Health-based (Treatment Technique & Maximum Contaminant Level) violations, from 03Q4 frozen violations table

CWSs w/ reported health-based violations

	CWS	NTCWS	TNCWS	Total	Ground	Surface	violations	
MT	667	225	1,129	2,021	1,803	218	77	12%
	659,667	59,886	176,587	896,140	502,724	393,416	45,091	7%
NC	2,430	576	4,492	7,498	6,830	668	256	11%
	6,431,967	159,401	377,666	6,969,034	1,963,876	5,005,158	348,084	5%
ND	321	28	179	528	444	84	11	3%
	551,709	4,102	15,523	571,334	264,665	306,669	54,280	10%
NE	610	181	586	1,377	1,302	75	170	28%
	1,424,246	42,530	113,001	1,579,777	803,980	775,797	266,652	19%
NH	688	441	1,054	2,183	2,127	56	79	11%
	794,419	91,054	220,026	1,105,499	582,034	523,465	72,002	9%
NJ	607	870	2,644	4,121	4,019	102	42	7%
	7,891,239	217,056	381,246	8,489,541	3,128,541	5,361,000	933,634	12%
NM	657	152	509	1,318	1,242	76	73	11%
	1,602,714	40,246	187,878	1,830,838	1,595,947	234,891	94,735	6%
NV	256	107	260	623	590	33	20	8%
	1,941,253	34,981	28,731	2,004,965	303,722	1,701,243	20,874	1%
NY	2,849	759	6,564	10,172	8,983	1,189	129	5%
	17,784,525	337,668	2,917,223	21,039,416	5,566,889	15,472,527	9,313,726	52%
OH	1,334	1,018	3,221	5,573	5,148	425	83	6%
	10,025,325	249,361	490,709	10,765,395	3,430,287	7,335,108	623,763	6%
OK	1,151	110	376	1,637	912	725	120	10%
	3,429,060	18,197	28,498	3,475,755	675,542	2,800,213	1,033,290	30%
OR	883	332	1,454	2,669	2,365	304	142	16%
	2,867,570	76,404	222,081	3,166,055	828,976	2,337,079	179,177	6%
PA	2,162	1,224	6,627	10,013	9,433	580	104	5%
	10,399,770	522,640	843,251	11,765,661	2,825,638	8,940,023	335,471	3%
RI	83	74	322	479	454	25	14	17%
	1,273,301	26,827	56,259	1,356,387	212,598	1,143,789	116,548	9%
SC	655	185	575	1,415	1,202	213	53	8%
	3,343,194	61,982	35,559	3,440,735	600,670	2,840,065	274,515	8%
SD	468	30	195	693	560	133	31	7%
	653,374	12,166	26,706	692,246	295,907	396,339	31,526	5%
TN	675	50	435	1,160	602	558	40	6%
	5,308,927	30,945	59,727	5,399,599	1,450,421	3,949,178	433,077	8%
TX	4,516	788	1,245	6,549	5,379	1,170	198	4%
	22,148,772	322,457	248,086	22,719,315	6,728,199	15,991,116	597,176	3%
UT	454	61	438	953	828	125	51	11%
	3,688,604	42,442	74,740	3,805,786	774,271	3,031,515	162,475	4%
VA	1,309	618	1,309	3,236	2,846	390	172	13%
	5,946,179	274,867	218,251	6,439,297	847,878	5,591,419	655,213	11%
VT	438	227	695	1,360	1,223	137	60	14%
	497,717	41,013	132,407	671,137	310,621	360,516	34,062	7%
WA	2,282	309	1,559	4,150	3,884	266	238	10%
	5,389,076	253,867	261,297	5,904,240	2,876,867	3,027,373	330,289	6%
WI	1,096	937	9,389	11,422	11,373	49	52	5%
	3,824,455	196,102	694,934	4,715,491	2,969,519	1,745,972	354,355	9%
WV	547	169	560	1,276	897	379	34	6%
	1,425,835	55,375	35,435	1,516,645	310,377	1,206,268	73,844	5%
WY	279	87	381	747	634	113	17	6%
	437,627	19,379	75,824	532,830	189,996	342,834	9,164	2%
	51,935	19,347	87,901	159,183	145,144	14,039	3,986	
	266,963,569	6,083,183	23,276,369		100,832,964	195,490,157	24,372,965	

FY2003 water system data--Tribal sys

Active, current systems, from SDWIS/FED 03Q4 frozen inventory table

Health-based (Treatment Technique & Maximum Contaminant Level) violations, from 03Q4 frozen violations table

Key: # systems
Pop served

CWSs w/ reported health-based violations

Region	CWS	NTNCWS	TNCWS	Total	Ground	Surface	CWSs w/ reported health-based violations	
01	1	2	3	6	6			0%
	120	60	670	850	850			0%
02	8		3	11	10	1		0%
	7,650		300	7,950	5,150	2,800		0%
04	14	2	18	34	33	1		0%
	15,837	1,107	2,035	18,979	9,479	9,500		0%
05	80	29	9	118	116	2	3	4%
	82,425	25,415	1,388	109,228	108,739	489	1,189	1%
06	45	16	7	77	73	4	9	20%
	56,834	11,050	843	68,727	65,372	3,355	14,688	26%
07	9		4	13	12	1		0%
	6,173		525	6,698	6,200	498		0%
08	107	7	4	118	99	19	12	11%
	79,476	4,620	360	84,456	57,714	26,742	7,514	9%
09	255	37	40	332	309	23	46	18%
	215,074	42,582	4,971	262,627	237,646	24,981	40,956	19%
10	77	15	8	100	91	9	3	4%
	40,970	7,369	13,921	62,260	40,455	21,805	710	2%
Navajo Nation	154	3	6	163	153	10	5	3%
	180,090	3,969	8,834	192,893	166,311	26,582	33,026	18%
	750	111	111	972	902	70	78	
	684,649	96,172	33,847		697,916	116,752	98,083	

FY2003 water system data--Commonwealths and Territories

Active, current systems, from SDWIS/FED 03Q4 frozen inventory table

Health-based (Treatment Technique & Maximum Contaminant Level) violations, from 03Q4 frozen violations table

Key: # systems
Pop served

CWSs w/ reported health-based violations

	CWS	NTNCWS	TNCWS	Total	Ground	Surface	CWSs w/ reported health-based violations	
Amer.	22			22	12	10	14	64%
Samoa	52,458			52,458	49,618	2,840	6,045	12%
Guam	10	2		12	8	4		0%
N. Marianas	109,070	770		109,840	20,990	88,850		0%
Puerto Rico	79	32	17	128	124	4		0%
	99,923	8,588	2,045	110,556	44,074	66,482		0%
	453	55	6	514	273	241	281	62%
	5,317,576	45,126	2,339	5,365,041	792,845	4,572,196	4,009,933	75%
Palau	16	2		18	2	16		0%
	12,060	1,163		13,223	400	12,823		0%
Virgin Islands	98	137	117	352	3	349	4	4%
	90,095	63,340	20,625	174,060	4,548	169,512	300	0%
	678	228	140	1,046	422	624	299	
	5,681,182	118,987	25,009		912,475	4,912,703	4,016,278	

Government Performance and Results Act (GPRA)-- Strategic Sub-objective For Drinking Water 2.1.1

GPRA requires agencies to develop plans for what they intend to accomplish, measure how well they are doing, make appropriate decisions based on the information they have gathered, and communicate information about their performance to Congress and to the public.

EPA Strategic Objective 2.1: Protect Public Health, Sub-objective 2.1.1: Water Safe To Drink: By 2008, 95% of the population served by community water systems will receive drinking water that meets all applicable health-based drinking water standards through effective treatment and source water protection. (2002 Baseline: 93.6 percent of population; note that year-to-year performance is expected to change over time as new standards take effect.)

Notice: These measures are based on violations reported by states to the EPA Safe Drinking Water Information System. EPA is aware of inaccuracies and underreporting of some data in this system. We are working with the states to improve the quality of the data.

		By EPA region									
Nationally		1	2	3	4	5	6	7	8	9	10
2003	90%	89%	54%	95%	93%	95%	93%	93%	92%	98%	93%
2002	94%	88%	81%	98%	96%	94%	93%	95%	97%	99%	91%
2001	91%	65%	77%	98%	95%	92%	96%	90%	94%	97%	83%
2000	91%	62%	76%	97%	95%	95%	96%	95%	94%	94%	83%
1999	91%	75%	61%	98%	95%	95%	95%	95%	94%	97%	94%
1998	89%	64%	60%	97%	95%	95%	95%	94%	93%	95%	89%
1997	87%	62%	55%	97%	93%	92%	93%	95%	91%	95%	74%
1996	86%	60%	53%	92%	93%	92%	94%	95%	92%	91%	74%
1995	84%	57%	52%	91%	92%	92%	88%	95%	90%	88%	75%
1994	83%	57%	55%	87%	90%	88%	87%	94%	91%	90%	87%
1993	79%	60%	56%	85%	90%	77%	92%	93%	92%	69%	85%
		CT	NJ	DE	AL	IL	AR	IA	CO	AZ	AK
		ME	NY	DC	FL	IN	LA	KS	MT	CA	ID
		MA	PR	MD	GA	MI	NM	MO	ND	HI	OR
		NH	VI	PA	KY	MN	OK	NE	SD	NV	WA
		RI		VA	MS	OH	TX		UT	AS	
		VT		WV	NC	WI			WY	GU	
					SC					MP	
					TN					PW	

Health-based violations include Maximum Contaminant Level (MCL), Maximum Residual Disinfectant Level (MRDL) and Treatment Technique (TT) violations.

Population data are based on active, current water systems

For FY2003, population and violation data are from SDWIS/FED 03Q4 frozen tables.

For FY2002, population and violation data are from SDWIS/FED 02Q4 frozen tables.

For FY2001, population and violation data are from SDWIS/FED 01Q4 frozen tables. CA population data from 00Q4 frozen tables

For FY2000, population and violation data are from SDWIS/FED 00Q4 frozen tables.

For FY1999, population and violation data are from SDWIS/FED 99Q4 frozen tables.

For FY1998, population and violation data are from SDWIS/FED 98Q4 frozen tables.

For FY1997 and earlier, population and violation data are from SDWIS/FED 98Q1 frozen tables.

Government Performance and Results Act (GPRA)-- Strategic Targets for Standards In Place Before 12/2001

GPRA requires agencies to develop plans for what they intend to accomplish, measure how well they are doing, make appropriate decisions based on the information they have gathered, and communicate information about their performance to Congress and to the public.

EPA Strategic Targets: by 2008, 95% of community water systems and 95% of the population served by them will provide drinking water that meets all existing health-based standards with which systems need to comply as of December 2001. (2002 Baseline: 93.6% of the population, 91.6 percent of systems).

Notice: These measures are based on violations reported by states to the EPA Safe Drinking Water Information System. EPA is aware of inaccuracies and underreporting of some data in this system. We are working with the states to improve the quality of the data.

% Population served

		By EPA region									
Nationally		1	2	3	4	5	6	7	8	9	10
2003	91%	90%	59%	97%	94%	95%	96%	94%	93%	98%	93%
2002	94%	88%	81%	98%	96%	94%	94%	95%	97%	99%	91%

% Systems The systems measure was added to provide context to the population-based measure because it is less volatile and is not biased towards large systems.

		By EPA region									
Nationally		1	2	3	4	5	6	7	8	9	10
2003	92%	86%	90%	93%	93%	94%	93%	89%	92%	95%	89%
2002	92%	86%	89%	92%	94%	93%	93%	87%	92%	95%	87%
		CT	NJ	DE	AL	IL	AR	IA	CO	AZ	AK
		ME	NY	DC	FL	IN	LA	KS	MT	CA	ID
		MA	PR	MD	GA	MI	NM	MO	ND	HI	OR
		NH	VI	PA	KY	MN	OK	NE	SD	NV	WA
		RI		VA	MS	OH	TX		UT	AS	
		VT		WV	NC	WI			WY	GU	
					SC					MP	
					TN					PW	

Health-based violations include Maximum Contaminant Level (MCL) and Treatment Technique (TT) violations.

Population data are based on active, current water systems

For FY2003, population and violation data are from SDWIS/FED 03Q4 frozen tables.

For FY2002, population and violation data are from SDWIS/FED 02Q4 frozen tables.

For FY2001, population and violation data are from SDWIS/FED 01Q4 frozen tables. CA population data from 00Q4 frozen tables

For FY2000, population and violation data are from SDWIS/FED 00Q4 frozen tables.

For FY1999, population and violation data are from SDWIS/FED 99Q4 frozen tables.

For FY1998, population and violation data are from SDWIS/FED 98Q4 frozen tables.

For FY1997 and earlier, population and violation data are from SDWIS/FED 98Q1 frozen tables.

Government Performance and Results Act (GPRA)-- Strategic Targets for Standards In Place After 2001

GPRA requires agencies to develop plans for what they intend to accomplish, measure how well they are doing, make appropriate decisions based on the information they have gathered, and communicate information about their performance to Congress and to the public.

EPA Strategic Targets: by 2008, 80% of community water systems and 95% of the population served by them will provide drinking water that meets all existing health-based standards with a compliance date of January 2002 or later.

Notice: These measures are based on violations reported by states to the EPA Safe Drinking Water Information System. EPA is aware of inaccuracies and underreporting of some data in this system. We are working with the states to improve the quality of the data.

Applicable standards in FY2003: CWSs w/ surface water sources serving 10,000 or more people:

- * Interim Enhanced Surface Water Treatment Rule
- * Disinfection By-Products (DBP) Rule for CWSs that disinfect

% Population served

Nationally	By EPA region										
	1	2	3	4	5	6	7	8	9	10	
2003	96%	98%	79%	98%	98%	100%	94%	97%	99%	100%	100%

% Systems The systems measure was added to provide context to the population-based measure because it is less volatile and is not biased towards large systems.

Nationally	By EPA region									
	1	2	3	4	5	6	7	8	9	10
2003	96%	76%	93%	94%	99%	86%	92%	98%	100%	100%
	CT	NJ	DE	AL	IL	AR	IA	CO	AZ	AK
	ME	NY	DC	FL	IN	LA	KS	MT	CA	ID
	MA	PR	MD	GA	MI	NM	MO	ND	HI	OR
	NH	VI	PA	KY	MN	OK	NE	SD	NV	WA
	RI		VA	MS	OH	TX		UT	AS	
	VT		WV	NC	WI			WY	GU	
				SC					MP	
				TN					PW	

Health-based violations include Maximum Contaminant Level (MCL), Maximum Residual Disinfectant Level (MRDL), and Treatment Technique (TT) violations.

Population data are based on all active, current water systems serving 10,000+ people

For FY2003, population and violation data are from SDWIS/FED 03Q4 frozen tables.

CWS violations reported by FY

FY2003 data from SDWIS/FED 03Q4 frozen tables, except for Chem M/Rs which will be from 04Q1

FY2002 data from SDWIS/FED 02Q4 frozen tables, except for Chem M/Rs which are from 03Q1

FY2001 data from SDWIS/FED 01Q4 frozen tables, except for Chem M/Rs which are from 02Q1

FY2000 data from SDWIS/FED 00Q4 frozen tables, except for Chem M/Rs which are from 01Q1

FY1999 data from SDWIS/FED 99Q4 frozen tables, except for Chem M/Rs which are from 00Q1

Number of violations

FY	MCL	MRDL	TT	M/R	Other*	Total
2003	4,884	1	2,299	68,840	12,671	88,695
2002	4,693		2,408	80,635	11,759	99,495
2001	5,231		2,493	63,476	11,455	82,655
2000	4,754		3,053	51,912	10,634	70,353
1999	5,497		2,202	56,307	1,025	65,031

Number of systems in violation

FY	MCL	MRDL	TT	M/R	Other*	Total	**
2003	3,069	1	1,458	12,880	8,109	20,343	
2002	3,193		1,482	12,430	8,386	20,232	
2001	3,241		1,572	13,639	8,631	20,996	
2000	3,161		1,682	13,736	8,937	21,308	
1999	3,298		1,046	9,259	618	11,946	

Population affected

FY	MCL	MRDL	TT	M/R	Other*	Total	**
2003	16,082,938	2,250	16,969,087	49,812,213	12,726,332	81,672,086	
2002	8,800,095		9,245,467	32,503,639	17,809,478	56,644,512	
2001	11,165,733		15,474,893	52,618,908	25,780,359	77,845,089	
2000	11,947,655		15,394,154	34,186,550	13,881,076	62,921,077	
1999	11,078,268		15,854,547	19,829,544	2,528,920	38,124,231	

by system size

Number of violations

	MCL	MRDL	TT	M/R	Other	Total
Very small	2,874		1,135	50,305	9,394	63,708
Small	1,036	1	598	11,206	2,513	15,354
Medium	410		223	3,263	491	4,387
Large	534		308	3,294	261	4,397
Very large	30		35	772	12	849

Number of systems in violation

	MCL	MRDL	TT	M/R	Other	Total	**
Very small	1,817		824	8,939	5,578	13,349	
Small	639	1	370	2,618	1,908	4,605	
Medium	295		111	702	390	1,274	
Large	304		139	557	221	1,023	
Very large	14		14	64	12	92	

Population affected

	MCL	MRDL	TT	M/R	Other	Total	**
Very small	284,244		141,039	1,310,499	873,787	2,058,386	
Small	910,482	2,250	521,952	3,526,584	2,478,604	6,213,500	
Medium	1,718,508		663,540	4,076,428	2,229,986	7,418,331	
Large	7,283,576		4,193,271	15,346,206	5,335,869	27,114,748	
Very large	5,886,128		11,449,285	25,552,496	1,808,086	38,867,121	

* Jump in FY2000 due to new violations for failing to issue, or issuing an insufficient, Consumer Confidence report

** Totals for the number of systems in violation, and for population affected, should be lower than the sum in each row.

This is because some systems will have incurred more than one type of violation.

FY2003 compliance information includes new DBP and IESWTR rules

NTNCWS violations reported by FY

FY2003 data from SDWIS/FED 03Q4 frozen tables, except for Chem M/Rs which will be from 04Q1

FY2002 data from SDWIS/FED 02Q4 frozen tables, except for Chem M/Rs which are from 03Q1

FY2001 data from SDWIS/FED 01Q4 frozen tables, except for Chem M/Rs, which are from 02Q1

FY2000 data from SDWIS/FED 00Q4 frozen tables, except for Chem M/Rs, which are from 01Q1

FY1999 data from SDWIS/FED 99Q4 frozen tables, except for Chem M/Rs which are from 00Q1

Number of violations

FY	MCL	MRDL	TT	M/R	Other	Total
2003	1,391		680	32,578	503	35,152
2002	1,336		720	38,805	227	41,088
2001	1,258		696	32,847	305	35,106
2000	1,243		834	23,138	210	25,425
1999	1,369		272	27,487	145	29,273

Number of systems in violation

FY	MCL	MRDL	TT	M/R	Other	Total *
2003	1,029		495	4,758	317	5,803
2002	1,005		529	5,322	155	6,267
2001	921		515	5,368	213	6,241
2000	925		580	5,513	169	6,445
1999	995		190	3,852	101	4,650

Population affected

FY	MCL	MRDL	TT	M/R	Other	Total *
2003	266,522		140,053	1,434,673	85,026	1,748,569
2002	302,322		165,522	1,566,034	57,016	1,897,686
2001	359,556		222,120	1,616,708	82,910	2,012,850
2000	276,758		216,701	1,759,909	37,941	2,075,184
1999	373,845		56,710	883,464	36,223	1,229,143

TNCWS violations reported by FY

Number of violations

FY	MCL	MRDL	TT	M/R	Other	Total
2003	5,082		573	35,005	8,640	49,300
2002	4,837		626	39,451	2,339	47,253
2001	4,596		677	38,794	1,467	45,534
2000	4,408		309	35,328	915	40,960
1999	4,967		223	36,651	740	42,581

Number of systems in violation

FY	MCL	MRDL	TT	M/R	Other	Total *
2003	4,071		245	17,439	3,685	21,360
2002	3,858		249	19,191	1,142	22,193
2001	3,687		256	19,623	826	22,358
2000	3,632		177	17,725	656	20,325
1999	3,862		139	19,658	494	22,185

Population affected

FY	MCL	MRDL	TT	M/R	Other	Total *
2003	541,950		40,518	2,160,890	340,950	2,649,642
2002	504,967		60,692	2,154,654	137,795	2,552,563
2001	558,780		46,987	2,385,309	118,847	2,792,810
2000	506,759		44,406	2,568,632	78,759	2,979,498
1999	566,066		39,547	2,220,821	62,786	2,628,376

* Totals for the number of systems in violation, and for population affected, should be lower than the sum in each row.

This is because some systems will have incurred more than one type of violation.

FY2003 compliance information includes new DBP and IESWTR rules

FY2003 MCL, MRDL and TT violations reported

From SDWIS/FED 03Q4 frozen violations table

Key: # violations
systems
Pop. affected

	Very small 25-500	Small 501-3,300	Medium 3,301-10,000	Large 10,001-100,000	Very Large >100,000	Total
Microbials:	Applies to all water systems					
TCR/T	7,614	917	292	223	10	9,056
	5,945	726	253	181	6	7,111
	623,663	965,827	1,484,249	4,309,612	2,220,797	9,604,148

	Very small 25-500	Small 501-3,300	Medium 3,301-10,000	Large 10,001-100,000	Very Large >100,000	Total
Stage 1 DBP	Applies to surface water systems serving >= 10K people that disinfect (TNCWSs that use ClO2)					
	22	11	20	242	5	300
	13	7	9	104	3	136
	1,509	11,922	57,462	2,506,095	2,812,172	5,389,160

	Very small 25-500	Small 501-3,300	Medium 3,301-10,000	Large 10,001-100,000	Very Large >100,000	Total
SWTR	Applies to surface water systems					
	1,135	401	166	39	6	1,747
	591	200	69	29	5	894
	95,231	279,689	425,302	795,701	8,379,052	9,974,975

	Very small 25-500	Small 501-3,300	Medium 3,301-10,000	Large 10,001-100,000	Very Large >100,000	Total
IESWTR	Applies to surface water systems serving >=10K people					
	3	1	1	157	23	185
	3	1	1	46	6	57
	243	2,021	4,950	1,499,698	2,353,419	3,860,331

	Very small 25-500	Small 501-3,300	Medium 3,301-10,000	Large 10,001-100,000	Very Large >100,000	Total
Organics:	Applies to CWS and NTNCWS					
VOC	59	6	6	7		78
	40	3	4	6		53
	4,698	6,130	19,782	129,706		160,316
SOC	12	7		2	5	26
	7	4		2	1	14
	1,334	5,851		101,769	350,000	458,954

	Very small 25-500	Small 501-3,300	Medium 3,301-10,000	Large 10,001-100,000	Very Large >100,000	Total
Inorganics:	Applies to CWS and NTNCWS					
Nitrates	581	140	19	23	4	767
	400	78	8	14	3	503
	46,578	87,646	42,928	335,065	1,377,651	1,889,868
Arsenic	20	6	1	2		29
	15	4	1	1		21
	3,144	9,856	5,010	15,490		33,500
Other IOC	256	34	8	2		300
	124	19	6	2		151
	21,123	21,381	35,538	30,998		109,040

	Very small 25-500	Small 501-3,300	Medium 3,301-10,000	Large 10,001-100,000	Very Large >100,000	Total
Radionuclides	Applies to CWS					
	331	179	59	61	4	634
	134	66	20	25	2	247
	25,540	86,857	105,448	594,044	641,556	1,453,445

	Very small 25-500	Small 501-3,300	Medium 3,301-10,000	Large 10,001-100,000	Very Large >100,000	Total
Lead & Copper	Applies to CWS and NTNCWS					
	1,110	308	52	66	3	1,539
	877	255	42	48	2	1,224
	133,712	324,712	235,741	1,361,562	440,814	2,496,541

Acronyms:

TCR/T = Total Coliform Rule/Turbidity

SWTR = Surface Water Treatment Rule

IESWTR = Interim Enhanced Surface Water Treatment Rule

DBP = Disinfectants By-Products Rule

VOC = Regulated volatile organic contaminants (e.g., Benzene) other than TTHMs (which are listed in DBP Rule)

SOC = Synthetic organic chemicals (e.g., Atrazine)

Other IOC = Regulated inorganic contaminants (e.g., arsenic) other than Copper, Lead, Nitrate, and Nitrite

FY2003 Monitoring violations reported

From SDWIS/FED 03Q4 frozen violations table (except for Chem M/Rs)

Key: # violations
systems
Pop. affected

Chem M/R data will be from SDWIS/FED 04Q1 frozen violations table, which will be frozen in April

	Very small 25-500	Small 501-3,300	Medium 3,301-10,000	Large 10,001-100,000	Very Large >100,000	Total
Microbials:	Applies to all water systems					
TCR/T	32,709	2,916	451	215	17	36,308
	19,046	1,765	302	169	15	21,297
	1,877,610	2,194,682	1,741,424	4,443,292	4,646,306	14,903,314

Applies to surface water systems serving >= 10K people that disinfect (TNCWSs that use ClO2)

Stage 1 DBP	7	32	13	150	7	209
	4	15	8	86	6	119
	854	23,575	48,547	2,284,995	1,046,873	3,404,844

Applies to surface water systems

SWTR	2,034	598	153	136	33	2,954
	466	195	84	81	18	844
	77,238	276,644	495,370	2,566,679	9,319,119	12,735,050

Applies to surface water systems serving >=10K people

IESWTR	1	1	1	59	9	71
	1	1	1	16	6	25
	-	3,257	9,900	458,627	1,096,565	1,568,349

Organics: Applies to CWS and NTNCWS

VOC	23,619	4,411	844	899	274	30,047
	991	206	40	47	10	1,294
	132,352	268,140	212,610	1,135,000	3,409,064	5,157,166
SOC	9,498	1,510	585	713	198	12,504
	407	119	43	35	8	612
	56,122	158,327	240,234	953,171	2,633,264	4,041,118

Inorganics: Applies to CWS and NTNCWS

Nitrates	11,695	990	163	153	42	13,043
	9,053	684	98	89	12	9,936
	882,656	834,975	539,813	2,137,409	4,538,722	8,933,575
Arsenic	517	129	48	36	14	744
	462	112	43	25	5	647
	60,481	148,143	246,625	582,298	953,216	1,990,763
Other IOC	4,771	1,038	425	344	141	6,719
	495	118	43	32	6	694
	62,816	153,357	242,350	928,133	2,153,216	3,539,872

Applies to CWS

Radionuclides	520	134	19	13	3	689
	350	76	13	9	1	449
	50,135	102,843	71,360	290,326	250,000	764,664

Applies to CWS and NTNCWS

Lead & Copper	10,774	1,890	329	197	12	13,202
	7,147	1,343	252	149	12	8,903
	963,681	1,625,852	1,429,003	3,847,171	8,648,498	16,514,205

Acronyms:

TCR/T = Total Coliform Rule/Turbidity

SWTR = Surface Water Treatment Rule

IESWTR = Interim Enhanced Surface Water Treatment Rule

DBP = Disinfectants By-Products Rule

VOC = Regulated volatile organic contaminants (e.g., Benzene) other than TTHMs (which are listed in DBP Rule)

SOC = Synthetic organic chemicals (e.g., Atrazine)

Other IOC = Regulated inorganic contaminants (e.g., arsenic) other than Copper, Lead, Nitrate, and Nitrite

Underground Injection Control program--inventory of wells

Types of wells:

- Class I Deep industrial waste disposal
- Class II For oil and natural gas production
- Class III Related to mineral recovery
- Class IV Banned, inject hazardous or radioactive waste above USDWs
- Class V Generally shallow disposal wells. There are an **estimated 650,000 Class V wells nationally**

Class I through IV data from annual reporting by states and EPA Regions

The Class V estimate is based on state estimates and modeling of storm water and large capacity septic

	Class I hazardous waste wells	Class I non- hazardous waste wells	Class II wells	Class III facilities (which may contain multiple wells)	Class III wells	Class IV facilities (which may contain multiple wells)
AK		6	925			
AL			347	1	3	
AR	6	10	1,078			
AZ				3	15	
CA		6	24,955	1	73	
CO		5	787	2	35	
FL	1	136	64			
IA			1			
IL	3	1	8,949			
IN	4	7	1,340			
KS	6	44	16,371	5	157	
KY		1	3,429			
LA	17	28	3,824	15	67	
MI	9	15	1,459	3	22	
MO			211			
MS	6	1	881			
MT			897			
ND		2	377			
NE		1	704	1	1,879	
NM		5	5,577	19	104	
NV			12			
NY		1	503	6	126	
OH	10	2	2,890	3	47	1
OK		11	11,448	1	1	
OR			2			
PA		10	1,897	1	10	
SD			63			
TN			14			
TX	60	46	51,998	86	5,789	
UT			256	1	4	2
VA		3	252	1	3	1
WA			1			
WV			700	3	31	
WY		23	4,666	12	8,211	1
EPA R2 tribal			12			
EPA R6 tribal	1		2,674			
EPA R8 tribal			723			
EPA R9 tribal			542			
	122	364	146,878	164	16,577	5