



# FACTOIDS: Drinking Water and Ground Water Statistics for 2007

Office of Water (4606M)  
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[www.epa.gov/safewater/data](http://www.epa.gov/safewater/data)

There are approximately 156,000 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 156,000 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 (286 million) get their water from a community water system. There are approximately 52,000 community water systems, but just eight percent of those systems (4,048) serve 82 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](http://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 & Abbreviations:**

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]

# FY2007 Drinking Water Factoids

## Public Water System Inventory data

Active, current systems, from Safe Drinking Water Information System/Federal version (SDWIS/FED) 07Q3 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
<b>CWS</b>	# systems	29,282	13,906	4,822	3,702	398	52,110
	Pop. served	4,857,007	19,848,329	27,942,486	105,195,727	128,607,655	286,451,204
	% of systems	56%	27%	9%	7%	1%	100%
	% of pop	2%	7%	10%	37%	45%	100%
<b>NTNCWS</b>	# systems	16,034	2,662	120	22	1	18,839
	Pop. served	2,247,556	2,710,330	639,561	533,845	203,000	6,334,292
	% of systems	85%	14%	1%	0%	0%	100%
	% of pop	35%	43%	10%	8%	3%	100%
<b>TNCWS</b>	# systems	81,873	2,751	102	15	3	84,744
	Pop. served	7,230,344	2,681,373	546,481	424,662	2,869,000	13,751,860
	% of systems	97%	3%	0%	0%	0%	100%
	% of pop	53%	19%	4%	3%	21%	100%
Total # syster		127,189	19,319	5,044	3,739	402	155,693

**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
<b>CWS</b>	# systems	40,646	11,449	52,095
	Pop. served	90,549,995	195,887,109	286,437,104
	% of systems	78%	22%	100%
	% of pop	32%	68%	100%
<b>NTNCWS</b>	# systems	18,151	679	18,830
	Pop. served	5,503,282	787,555	6,290,837
	% of systems	96%	4%	100%
	% of pop	87%	13%	100%
<b>TNCWS</b>	# systems	82,851	1,878	84,729
	Pop. served	11,077,369	2,668,985	13,746,354
	% of systems	98%	2%	100%
	% of pop	81%	19%	100%
Total # syster		141,648	14,006	

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 07Q3 tables were "frozen" in early October 2007

# FY2007 water system data--by State

Active, current systems, from SDWIS/FED 07Q3 frozen inventory table

Health-based (Treatment Technique & Maximum Contaminant Level) violations, from 07Q3 frozen violations table

Key:

# systems  
Pop served

CWSs w/ reported  
health-based  
violations

	CWS	NTNCWS	TNCWS	Total	Ground	Surface		
AK	444	245	904	1,593	1,314	272	76	17%
	567,015	58,622	107,061	732,698	328,808	403,563	33,762	6%
AL	539	30	64	633	390	243	26	5%
	5,326,372	19,021	30,942	5,376,335	1,489,166	3,887,169	95,589	2%
AR	712	36	345	1,093	697	396	126	18%
	2,568,098	10,070	21,485	2,599,653	903,636	1,696,017	300,065	12%
AZ	819	201	576	1,596	1,537	59	90	11%
	5,925,348	128,613	115,210	6,169,171	2,807,910	3,361,261	550,450	9%
CA	3,004	1,379	2,840	7,223	6,116	1,107	310	10%
	37,008,321	398,151	1,592,805	38,999,277	8,466,829	30,532,448	1,448,144	4%
CO	840	166	977	1,983	1,498	484	68	8%
	5,160,509	77,499	274,957	5,512,965	715,040	4,797,900	80,220	2%
CT	573	607	1,543	2,723	2,644	79	84	15%
	2,647,077	113,898	58,794	2,819,769	429,265	2,390,504	49,216	2%
DC	5	1		6		6		0%
	606,730	370		607,100		607,100		0%
DE	211	100	200	511	506	5	22	10%
	882,041	28,586	58,382	969,009	686,929	282,080	219,664	25%
FL	1,825	929	3,167	5,921	5,838	81	158	9%
	18,281,444	254,145	297,262	18,832,851	16,172,082	2,660,699	1,353,188	7%
GA	1,731	216	506	2,453	2,227	226	75	4%
	7,879,320	66,863	80,101	8,026,284	1,688,966	6,337,318	463,729	6%
HI	113	15	3	131	111	20	12	11%
	1,336,642	11,299	3,805	1,351,746	500,899	850,847	89,012	7%
IA	1,132	131	697	1,960	1,807	153	77	7%
	2,639,652	46,887	86,925	2,773,464	1,505,579	1,267,885	215,789	8%
ID	752	228	1,012	1,992	1,917	74	99	13%
	1,056,176	51,499	110,136	1,217,811	960,523	257,257	140,363	13%
IL	1,766	384	3,652	5,802	5,085	717	168	10%
	11,851,803	127,940	373,150	12,352,893	3,477,735	8,875,158	789,067	7%
IN	828	666	2,874	4,368	4,247	121	108	13%
	4,698,344	193,706	392,793	5,284,843	2,936,941	2,347,902	183,252	4%
KS	900	48	96	1,044	667	377	123	14%
	2,580,064	19,760	4,575	2,604,399	812,735	1,791,664	210,693	8%
KY	406	33	58	497	162	335	47	12%
	4,863,941	13,257	7,474	4,884,672	412,587	4,472,085	516,002	11%
LA	1,075	162	264	1,501	1,408	93	137	13%
	4,864,822	63,672	67,552	4,996,046	2,988,040	2,008,006	563,083	12%
MA	528	262	946	1,736	1,538	196	54	10%
	8,929,195	72,154	155,940	9,157,289	2,060,207	7,097,032	430,347	5%
MD	494	573	2,509	3,576	3,478	98	35	7%
	4,888,853	159,075	209,889	5,257,817	999,838	4,257,979	61,658	1%
ME	387	372	1,181	1,940	1,861	79	78	20%
	647,933	69,679	187,115	904,727	464,903	439,824	96,695	15%
MI	1,418	1,505	8,672	11,595	11,292	303	169	12%
	7,567,040	361,181	1,022,476	8,950,697	3,110,503	5,840,194	238,660	3%
MN	964	536	5,823	7,323	7,213	110	53	5%
	4,150,793	83,843	533,473	4,768,109	3,432,107	1,336,002	170,040	4%
MO	1,487	239	1,046	2,772	2,522	250	179	12%
	5,108,547	77,916	118,516	5,304,979	1,853,533	3,451,446	239,482	5%
MS	1,149	80	91	1,320	1,308	12	62	5%
	3,002,291	73,116	16,258	3,091,665	2,854,286	237,379	209,479	7%

# FY2007 water system data--by State

Active, current systems, from SDWIS/FED 07Q3 frozen inventory table

Key:

# systems  
Pop served

Health-based (Treatment Technique & Maximum Contaminant Level) violations, from 07Q3 frozen violations table

CWSs w/ reported  
health-based  
violations

	CWS	NTNCWS	TNCWS	Total	Ground	Surface		
MT	675	250	1,163	2,088	1,858	230	68	10%
	685,495	72,017	172,061	929,573	527,168	402,405	51,982	8%
NC	2,157	503	3,968	6,628	6,190	438	359	17%
	7,000,138	139,467	334,374	7,473,979	2,079,158	5,394,821	644,579	9%
ND	330	25	165	520	414	106	17	5%
	562,310	3,813	14,853	580,976	261,588	319,388	10,374	2%
NE	597	174	565	1,336	1,279	55	141	24%
	1,413,208	52,658	59,724	1,525,590	738,278	787,262	157,430	11%
NH	707	460	1,228	2,395	2,332	63	134	19%
	839,845	96,078	317,260	1,253,183	716,198	536,985	152,903	18%
NJ	610	822	2,458	3,890	3,786	101	43	7%
	8,542,403	327,189	417,803	9,287,395	3,768,398	5,516,973	599,618	7%
NM	632	169	463	1,264	1,188	76	89	14%
	1,658,716	49,381	80,826	1,788,923	1,513,495	275,428	245,388	15%
NV	228	107	247	582	546	36	34	15%
	2,430,181	43,604	25,050	2,498,835	315,017	2,183,818	63,153	3%
NY	2,780	756	6,104	9,640	8,239	1,388	262	9%
	17,866,224	337,621	2,860,099	21,063,944	5,448,573	15,602,922	3,312,872	19%
OH	1,279	888	3,098	5,265	4,954	311	130	10%
	10,157,729	217,701	450,004	10,825,434	3,642,668	7,182,766	1,334,825	13%
OK	1,119	111	356	1,586	869	717	207	18%
	3,106,291	21,650	27,477	3,155,418	669,820	2,485,598	699,311	23%
OR	864	336	1,425	2,625	2,333	291	132	15%
	3,126,058	73,608	222,429	3,422,095	864,380	2,557,685	321,122	10%
PA	2,092	1,253	6,231	9,576	9,012	562	157	8%
	10,627,826	529,951	790,227	11,948,004	2,811,851	9,136,078	720,240	7%
RI	83	80	317	480	456	24	15	18%
	967,698	27,215	54,005	1,048,918	226,923	821,995	364,864	38%
SC	627	139	715	1,481	1,162	319	45	7%
	3,539,305	40,164	40,579	3,620,048	604,481	3,015,567	403,864	11%
SD	455	25	181	661	521	140	55	12%
	668,856	7,947	24,997	701,800	288,565	413,235	42,289	6%
TN	490	43	377	910	539	371	32	7%
	5,687,416	27,483	57,975	5,772,874	1,492,825	4,280,049	231,613	4%
TX	4,634	839	1,235	6,708	5,503	1,203	415	9%
	25,051,267	521,454	249,294	25,822,015	7,467,392	18,352,832	1,217,228	5%
UT	460	67	439	966	904	62	34	7%
	2,510,336	29,112	69,068	2,608,516	1,909,389	699,127	101,182	4%
VA	1,248	574	1,194	3,016	2,628	388	169	14%
	6,429,469	319,918	189,808	6,939,195	829,526	6,109,669	209,425	3%
VT	448	246	669	1,363	1,244	119	92	21%
	452,701	42,942	103,206	598,849	324,519	274,330	78,655	17%
WA	2,272	325	1,562	4,159	3,897	262	235	10%
	5,842,936	140,272	417,368	6,400,576	3,114,815	3,285,761	329,239	6%
WI	1,076	906	9,463	11,445	11,392	52	90	8%
	3,956,743	199,122	706,244	4,862,109	3,084,029	1,778,055	357,688	9%
WV	511	136	482	1,129	787	342	43	8%
	1,262,027	36,198	29,535	1,327,760	234,914	1,092,846	121,603	10%
WY	289	88	391	768	643	125	27	9%
	430,865	18,365	83,007	532,237	202,440	329,797	13,608	3%
	50,765	18,466	84,542	153,773	140,059	13,677	5,461	
	279,854,414	5,955,752	13,724,349		105,195,457	194,322,111	20,532,704	

## FY2007 water system data--Tribal

Active, current systems, from SDWIS/FED 07Q3 frozen inventory table

Key:

# systems
Pop served

Health-based (Treatment Technique & Maximum Contaminant Level) violations, from 07Q3 frozen violations table

CWSs w/ reported health-based violations

Region	CWS	NTNCWS	TNCWS	Total	Ground	Surface	violations	
01	2	3	1	6	5		1	50%
	41,095	41,245	40	82,380	41,195		95	0%
02	7	2	1	10	8	2		0%
	8,725	315	200	9,240	5,040	4,200		0%
04	14	2	15	31	30	1		0%
	21,058	1,107	1,576	23,741	14,241	9,500		0%
05	77	27	9	113	111	2	4	5%
	85,471	28,010	1,422	114,903	114,414	489	2,037	2%
06	49	19	15	83	76	7	8	16%
	69,038	73,017	1,354	143,409	134,231	9,178	12,854	19%
07	9	2	3	14	13	1	2	22%
	5,280	1,250	730	7,260	6,560	700	1,468	28%
08	115	15	4	134	109	25	12	10%
	88,563	5,626	187	94,376	68,886	25,490	11,240	13%
09	234	50	35	319	298	21	56	24%
	256,365	87,653	6,625	350,643	319,379	31,264	48,160	19%
10	85	20	8	113	99	14	5	6%
	46,968	33,873	702	81,543	50,795	30,748	3,775	8%
Navajo Nation	144	11	5	160	154	6	8	6%
	139,060	4,481	1,084	144,625	127,042	17,583	16,084	12%
	736	151	96	983	903	79	96	
	761,623	276,577	13,920		881,783	129,152	95,713	

## FY2007 water system data--Commonwealths and Territories

Active, current systems, from SDWIS/FED 07Q3 frozen inventory table

Key:

# systems
Pop served

Health-based (Treatment Technique & Maximum Contaminant Level) violations, from 07Q3 frozen violations table

CWSs w/ reported health-based violations

	CWS	NTNCWS	TNCWS	Total	Ground	Surface	violations	
Amer. Samoa	19			19	13	6	7	37%
	51,435			51,435	5,277	46,158	46,516	90%
Guam	5	4		9	6	3		0%
	193,754	2,090		195,844	155,840	40,004		0%
N. Marianas	53	25	14	92	88	4	3	6%
	90,835	7,601	1,023	99,459	33,134	66,325	7,128	8%
Puerto Rico	453	53	5	511	276	234	221	49%
	5,419,225	45,310	2,314	5,466,849	791,021	4,670,899	3,597,806	66%
Virgin Islands	79	140	87	306	303	3	1	1%
	79,918	46,962	10,254	137,134	68,134	69,000	25	0%
	609	222	106	937	686	250	232	
	5,835,167	101,963	13,591		1,053,406	4,892,386	3,651,475	

## 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.

	Nationally	By EPA region									
		1	2	3	4	5	6	7	8	9	10
<b>2007</b>	91.5%	92%	76%	95%	93%	93%	92%	93%	97%	95%	92%
<b>2006</b>	89.4%	92%	61%	93%	93%	92%	88%	91%	96%	98%	95%
<b>2005</b>	88.5%	92%	55%	93%	93%	94%	88%	91%	95%	95%	95%
<b>2004</b>	90.0%	93%	80%	85%	93%	96%	92%	92%	92%	86%	93%
<b>2003</b>	89.6%	89%	54%	95%	93%	95%	93%	93%	92%	98%	93%
<b>2002</b>	93.6%	88%	81%	98%	96%	94%	93%	95%	97%	99%	91%
<b>2001</b>	90.8%	65%	77%	98%	95%	92%	96%	90%	94%	97%	83%
<b>2000</b>	90.7%	62%	76%	97%	95%	95%	96%	95%	94%	94%	83%
<b>1999</b>	90.5%	75%	61%	98%	95%	95%	95%	95%	94%	97%	94%
<b>1998</b>	89.0%	64%	60%	97%	95%	95%	95%	94%	93%	95%	89%
<b>1997</b>	86.5%	62%	55%	97%	93%	92%	93%	95%	91%	95%	74%
<b>1996</b>	85.6%	60%	53%	92%	93%	92%	94%	95%	92%	91%	74%
<b>1995</b>	83.8%	57%	52%	91%	92%	92%	88%	95%	90%	88%	75%
<b>1994</b>	83.0%	57%	55%	87%	90%	88%	87%	94%	91%	90%	87%
<b>1993</b>	78.8%	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 FY2007, population and violation data are from SDWIS/FED 07Q3 frozen tables.

For FY2006, population and violation data are from SDWIS/FED 06Q3 frozen tables.

For FY2005, population and violation data are from SDWIS/FED 05Q4 frozen tables.

For FY2004, population and violation data are from SDWIS/FED 04Q4 frozen tables.

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 Regulations 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

	Nationally	By EPA region									
		1	2	3	4	5	6	7	8	9	10
2007	93.6%	94%	80%	97%	96%	94%	95%	96%	98%	95%	93%
2006	91.7%	95%	65%	95%	96%	93%	92%	95%	97%	98%	96%
2005	91.0%	93%	62%	95%	95%	95%	94%	94%	96%	95%	95%
2004	92.2%	94%	86%	92%	95%	96%	96%	93%	93%	86%	93%
2003	91.0%	90%	59%	97%	94%	95%	96%	94%	93%	98%	93%
2002	93.7%	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.

	Nationally	By EPA region									
		1	2	3	4	5	6	7	8	9	10
2007	92.0%	87%	90%	94%	94%	94%	94%	90%	94%	90%	89%
2006	92.2%	87%	90%	94%	94%	94%	94%	91%	92%	92%	89%
2005	91.8%	87%	88%	94%	94%	93%	93%	90%	92%	92%	87%
2004	91.9%	88%	90%	92%	94%	93%	93%	90%	92%	92%	87%
2003	92.1%	86%	90%	93%	93%	94%	93%	89%	92%	95%	88%
2002	91.6%	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 FY2007, population and violation data are from SDWIS/FED 07Q3 frozen tables.

For FY2006, population and violation data are from SDWIS/FED 06Q3 frozen tables.

For FY2005, population and violation data are from SDWIS/FED 05Q4 frozen tables.

For FY2004, population and violation data are from SDWIS/FED 04Q4 frozen tables.

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.

## Government Performance and Results Act (GPRA)-- Strategic Targets for Regulations 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 FY2007:

- \* Interim Enhanced Surface Water Treatment Rule--CWSs w/ surface water sources serving 10,000 or more people
- \* Disinfection By-Products (DBP) Rule for CWSs that disinfect. In FY2003, this rule applied to systems serving >10,000 people
- \* New Arsenic and Uranium standards

### % Population served

Nationally		By EPA region									
		1	2	3	4	5	6	7	8	9	10
2007	96.9%	97%	89%	98%	97%	98%	96%	97%	99%	100%	99%
2006	96.8%	97%	89%	98%	97%	99%	95%	96%	99%	100%	99%
2005	96.2%	99%	85%	98%	98%	99%	93%	96%	99%	99%	100%
2004	96.6%	99%	84%	92%	98%	100%	96%	99%	99%	100%	100%
2003	95.7%	98%	79%	98%	97%	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
2007	96.4%	95%	96%	96%	97%	96%	94%	97%	97%	99%	99%
2006	96.7%	96%	97%	97%	97%	97%	94%	97%	97%	99%	98%
2005	97.1%	98%	97%	97%	97%	99%	93%	96%	98%	99%	99%
2004	99.2%	99%	99%	100%	99%	100%	98%	98%	99%	100%	100%
2003	93.1%	96%	76%	92%	93%	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 Community Water Systems

For FY2006, population and violation data are from SDWIS/FED 06Q3 frozen tables.

For FY2005, population and violation data are from SDWIS/FED 05Q4 frozen tables.

For FY2004, population and violation data are from SDWIS/FED 04Q4 frozen tables.

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

## CWS violations reported by FY

FY2007 data from SDWIS/FED 07Q3 frozen tables

FY2006 data from SDWIS/FED 06Q3 frozen tables

FY2005 data from SDWIS/FED 05Q4 frozen tables, except for Chem M/Rs which are from 06Q1

FY2004 data from SDWIS/FED 04Q4 frozen tables, except for Chem M/Rs which are from 05Q1

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

### Number of violations

FY	MCL	MRDL	TT	M/R	Other*	Total
2007	9,512	5	3,056	70,198	23,299	106,070
2006	9,242	7	2,790	67,301	19,245	98,585
2005	9,739	4	3,036	124,605	18,414	155,798
2004	5,562	6	2,168	96,225	14,459	118,420
2003	4,884	1	2,299	68,840	12,671	88,695

### Number of systems in violation

FY	MCL	MRDL	TT	M/R	Other*	Total	*
2007	4,445	4	1,648	12,676	10,429	21,604	
2006	4,438	3	1,538	13,106	9,600	21,677	
2005	4,472	4	1,625	14,403	10,258	22,902	
2004	3,455	4	1,409	13,693	8,947	21,200	
2003	3,069	1	1,458	12,880	8,109	20,343	

### Population affected

FY	MCL	MRDL	TT	M/R	Other*	Total	*
2007	16,468,593	263,875	10,895,825	51,310,453	30,434,294	88,282,175	
2006	16,918,011	46,344	16,612,762	52,415,065	23,372,794	83,638,885	
2005	19,228,465	424,859	16,879,450	62,511,599	23,442,800	91,626,483	
2004	15,060,424	3,617	16,588,301	51,043,156	17,833,120	79,058,089	
2003	16,082,938	2,250	16,969,087	49,812,213	12,726,332	81,672,086	

## FY2007 CWS results, by system size

### Number of violations

	MCL	MRDL	TT	M/R	Other	Total
Very small	5,118	4	1,607	49,938	16,937	73,604
Small	2,763		901	11,670	4,428	19,762
Medium	891		275	4,052	1,131	6,349
Large	717		250	4,156	742	5,865
Very large	23	1	23	382	61	490

### Number of systems in violation

	MCL	MRDL	TT	M/R	Other	Total	*
Very small	2,533	3	934	8,472	6,876	13,660	
Small	1,185		436	2,741	2,396	5,099	
Medium	438		156	829	665	1,627	
Large	274		105	577	452	1,112	
Very large	15	1	17	57	40	106	

### Population affected

	MCL	MRDL	TT	M/R	Other	Total	*
Very small	415,354	513	153,982	1,329,355	1,093,302	2,174,583	
Small	1,750,409		659,296	3,742,105	3,286,324	7,130,628	
Medium	2,506,353		886,905	4,795,828	3,807,847	9,384,876	
Large	6,289,455		3,311,805	15,342,701	11,477,634	29,022,492	
Very large	5,507,022	263,362	5,883,837	26,100,464	10,769,187	40,569,596	

\* 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.

**Compliance information since FY2003 includes new DBP and IESWTR rules**

## NTNCWS violations reported by FY

FY2007 data from SDWIS/FED 07Q3 frozen tables

FY2006 data from SDWIS/FED 06Q3 frozen tables

FY2005 data from SDWIS/FED 05Q4 frozen tables, except for Chem M/Rs which are from 06Q1

FY2004 data from SDWIS/FED 04Q4 frozen tables, except for Chem M/Rs which are from 05Q1

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

### Number of violations

FY	MCL	MRDL	TT	M/R	Other	Total
2007	2,187		794	33,322	2,490	38,793
2006	1,903		827	33,512	2,063	38,305
2005	1,980	1	853	54,561	717	58,112
2004	1,381		681	37,514	538	40,114
2003	1,391		680	32,578	503	35,152

### Number of systems in violation

FY	MCL	MRDL	TT	M/R	Other	Total
2007	1,333		539	4,907	1,238	6,630
2006	1,227		539	5,150	1,059	6,609
2005	1,207	1	550	5,591	491	6,822
2004	1,033		474	4,963	356	5,999
2003	1,029		495	4,758	317	5,803

### Population affected

FY	MCL	MRDL	TT	M/R	Other	Total
2007	401,120		188,740	1,527,217	355,150	2,084,705
2006	409,163		170,672	1,674,286	277,538	2,139,678
2005	352,038	110	164,644	1,668,159	122,177	2,044,368
2004	288,280		130,242	1,402,090	88,003	1,713,877
2003	266,522		140,053	1,434,673	85,026	1,748,569

## TNCWS violations reported by FY

### Number of violations

FY	MCL	MRDL	TT	M/R	Other	Total
2007	5,591	-	435	30,597	22,078	58,701
2006	5,287	-	474	32,767	19,010	57,538
2005	5,043	-	502	37,505	4,800	47,850
2004	5,032	-	415	38,705	3,028	47,180
2003	5,082	-	573	35,005	8,640	49,300

### Number of systems in violation

FY	MCL	MRDL	TT	M/R	Other	Total
2007	4,335	-	237	15,638	7,664	23,018
2006	4,082	-	211	15,575	6,417	21,816
2005	3,977	-	215	17,556	2,284	21,258
2004	3,974	-	195	17,334	1,697	20,680
2003	4,071	-	245	17,439	3,685	21,360

### Population affected

FY	MCL	MRDL	TT	M/R	Other	Total
2007	539,651	-	63,160	2,000,305	731,880	2,801,204
2006	1,297,464	-	50,372	2,166,907	642,080	3,597,017
2005	542,026	-	86,648	2,264,085	344,411	2,816,995
2004	549,673	-	51,915	2,207,974	234,291	2,708,036
2003	541,950	-	40,518	2,160,890	340,950	2,649,642

\* 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.

Compliance information since FY2003 includes new DBP and IESWTR rules

# FY2007 MCL, MRDL and TT violations reported

From SDWIS/FED 07Q3 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
<b>Microbials:</b> Applies to all water systems						
<b>TCR/T</b>	8,150 6,230 668,086	948 736 1,006,773	258 225 1,308,228	219 171 3,834,889	11 10 4,542,756	9,586 7,372 11,360,732
Applies to surface water systems that disinfect ( TNCWSs that use ClO2)						
<b>Stage 1 DBP</b>	1,361 538 102,726	1,727 579 889,675	538 218 1,207,929	160 72 1,585,893	1 1 263,362	3,787 1,408 4,049,585
Applies to surface water systems						
<b>SWTR</b>	983 495 78,849	361 173 243,048	56 43 252,534	63 37 1,313,590	9 8 2,842,627	1,472 756 4,730,648
Applies to surface water systems						
<b>IE&amp;LT1SWTR</b>	194 77 14,575	187 71 116,411	93 42 234,926	141 41 1,245,927	13 8 2,767,357	628 239 4,379,196
<b>Organics:</b> Applies to CWS and NTNCWS						
<b>VOC</b>	46 21 2,879	12 7 12,039	1 1 5,488	6 5 216,956		65 34 237,362
<b>SOC</b>	21 15 1,798	5 3 2,675		3 1 13,703		29 19 18,176
<b>Inorganics:</b> Applies to CWS and NTNCWS						
<b>Nitrates</b>	866 493 58,138	117 58 65,972	6 5 24,430	6 6 109,018		995 562 257,558
<b>Arsenic</b>	1,179 568 88,017	294 138 180,295	78 24 137,532	17 9 342,933	1 1 270,000	1,569 740 1,018,777
<b>Other IOC</b>	302 107 18,661	56 23 37,729	9 4 29,802	8 6 214,406	1 1 180,000	376 141 480,598
Applies to CWS						
<b>Radionuclides</b>	679 233 44,091	239 84 113,051	103 34 199,845	288 29 689,840	8 2 261,221	1,317 382 1,308,048
Applies to CWS and NTNCWS						
<b>Lead &amp; Copper</b>	1,220 874 127,063	292 227 294,819	54 38 215,428	21 16 429,139	1 1 273,853	1,588 1,156 1,340,302

## Acronyms:

TCR/T = Total Coliform Rule/Turbidity

SWTR = Surface Water Treatment Rule

IE&LT1SWTR = Interim Enhanced and Long Term 1 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

# FY2007 Monitoring violations reported

From SDWIS/FED 07Q3 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
<b>Microbials:</b>	Applies to all water systems					
<b>TCR/T</b>	30,396	3,052	435	256	17	34,156
	18,279	1,838	308	190	12	20,627
	1,974,913	2,262,552	1,706,541	4,875,095	5,024,442	15,843,543

	Applies to surface water systems that disinfect ( TNCWSs that use ClO2)					
<b>Stage 1 DBP</b>	3,996	1,778	508	284	38	6,604
	1,945	863	257	167	19	3,251
	339,588	1,169,575	1,442,949	4,628,256	8,257,904	15,838,272

	Applies to surface water systems					
<b>SWTR</b>	885	290	79	32	10	1,296
	246	120	47	24	6	443
	43,492	164,921	253,285	816,635	2,885,400	4,163,733

	Applies to surface water systems					
<b>IE&amp;LT1SWTR</b>	274	215	70	32	11	602
	90	65	37	20	8	220
	17,439	87,450	213,960	519,205	3,638,074	4,476,128

<b>Organics:</b>	Applies to CWS and NTNCWS					
<b>VOC</b>	23,371	4,270	1,220	1,340	103	30,304
	768	157	44	34	3	1,006
	97,891	207,259	285,066	1,208,589	834,748	2,633,553
<b>SOC</b>	14,261	1,962	686	960	1	17,870
	407	76	33	31	1	548
	48,535	99,799	209,032	862,146	785,049	2,004,561

<b>Inorganics:</b>	Applies to CWS and NTNCWS					
<b>Nitrates</b>	7,724	735	212	196	54	8,921
	6,622	538	123	86	21	7,390
	705,657	643,381	740,747	2,544,721	7,338,619	11,973,125
<b>Arsenic</b>	510	89	28	39	32	698
	400	80	20	23	2	525
	53,008	108,206	125,440	664,761	899,000	1,850,415
<b>Other IOC</b>	2,692	516	126	298	37	3,669
	288	73	23	21	4	409
	35,687	97,875	132,697	692,826	1,671,184	2,630,269

	Applies to CWS					
<b>Radionuclides</b>	951	213	71	47		1,282
	321	65	16	14		416
	46,234	88,964	116,593	385,042		636,833

	Applies to CWS and NTNCWS					
<b>Lead &amp; Copper</b>	10,014	2,108	398	252	37	12,809
	6,408	1,414	300	193	20	8,335
	908,727	1,768,611	1,709,964	4,548,905	13,818,216	22,754,423

## Acronyms:

TCR/T = Total Coliform Rule/Turbidity

SWTR = Surface Water Treatment Rule

IE&LT1SWTR = Interim Enhanced and Long Term 1 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 <b>estimated 650,000 Class V wells nationally</b>

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

Note: The Class III and Class IV facilities may contain multiple wells

State	Class I Hazardous Waste Wells	Class I Non- Hazardous Waste Wells	Class II Wells	Class III Facilities	Class III Wells	Class IV Facilities	Class V Wells
AK		18	1,224				1,820
AL			243	1	4		365
AR	5	9	576				202
AS							
AZ				3	15		27,749
CA		18	29,538	1	120		17,080
CO		5	791	3	27		1,233
CT							534
DC							94
DE							1,026
FL	1	179	64				54,727
GA							7,344
GU							202
HI							5,180
IA			2				1,485
ID							11,807
IL	3	1	7,849				9,440
IN	5	10	1,282				7,724
KS	6	43	15,997	4	139		5,880
KY		1	3,425				11,399
LA	17	27	3,323	17	87		131
MA							1,356
MD							13,692
ME							1,868
MI	8	20	1,594	5	52		8,934
MN						1	2,744
MO			198				7,573
MP							36
MS	4	1	904				1,025
MT			929				632
NC						2	19,018
ND		4	932				574
NE		1	666	1	2,949		669
NH							5,125
NJ							1,847
NM		6	6,583	19	44		2,370
NV			12				897

## Underground Injection Control program--inventory of wells (cont.)

### 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 <b>estimated 650,000 Class V wells nationally</b>

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

Note: The Class III and Class IV facilities may contain multiple wells

State	Class I Hazardous Waste Wells	Class I Non- Hazardous Waste Wells	Class II Wells	Class III Facilities	Class III Wells	Class IV Facilities	Class V Wells
NY			543	6	125		30,036
OH	10		2,780	4	48		17,151
OK		9	10,336	1	3	1	590
OR			3			4	35,220
PA			1,855	1	11		13,337
PR							2,274
RI							952
SC							13,607
SD			76				181
TN			13				1,720
TX	56	53	50,700	82	5,166		23,357
UT		1	290	1	7	6	5,219
VA			75	1	3		12,303
VI							71
VT							1,237
WA			1				26,390
WI							1,850
WV			759	3	39		3,373
WY		50	4,841	3	16,000		1,448
	115	456	148,404	156	24,839	14	424,098

### Tribal Systems, by EPA Region

	Class I Wells	Class II Wells	Class III Wells	Class IV/V Wells
EPA R1				26
EPA R2				
EPA R4				76
EPA R5		13		650
EPA R6	1	2,432		1
EPA R7				16
EPA R8		909		50
EPA R9		383		326
EPA R10				814
	1	3,737	-	1,959