



FACTOIDS: Drinking Water and Ground Water Statistics for 2009

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Introduction

There are approximately 153,530 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, these 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 (294 million) get their water from a community water system. There are approximately 52,000 community water systems, but just eight percent of those systems (4,132) serve 82 percent of the population. 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 the 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 & Abbreviations

CWS	Community Water System
FY	Government Fiscal Year running from October 1 through 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)

FY 2009 Drinking Water Factoids

Public Water System Inventory Data

Data consist of active, current systems found in the Safe Drinking Water Information System/Federal version (SDWIS/FED) 09Q3 "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	28,804	13,820	4,871	3,746	410	51,651
	Pop. served	4,820,949	19,806,741	28,402,697	106,856,965	134,452,529	294,339,881
	% of systems	56%	27%	9%	7%	1%	100%
	% of pop	2%	7%	10%	36%	46%	100%
NTNCWS	# systems	15,619	2,625	132	18	1	18,395
	Pop. served	2,195,162	2,704,116	699,947	440,980	203,000	6,243,205
	% of systems	85%	14%	1%	0%	0%	100%
	% of pop	35%	43%	11%	7%	3%	100%
TNCWS	# systems	80,703	2,681	87	11	2	83,484
	Pop. served	7,147,163	2,598,895	471,533	360,715	2,725,000	13,303,306
	% of systems	97%	3%	0%	0%	0%	100%
	% of pop	54%	20%	4%	3%	20%	100%
Total # systems		125,126	19,126	5,090	3,775	413	153,530

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 and is open at least 60 days/year.

Water Source

Type		Ground Water	Surface Water	Totals
CWS	# systems	40,025	11,617	51,642
	Pop. served	88,032,021	206,264,490	294,296,511
	% of systems	78%	22%	100%
	% of pop	30%	70%	100%
NTNCWS	# systems	17,688	702	18,390
	Pop. served	5,415,937	820,476	6,236,413
	% of systems	96%	4%	100%
	% of pop	87%	13%	100%
TNCWS	# systems	81,492	1,978	83,470
	Pop. served	10,754,201	2,548,200	13,302,401
	% of systems	98%	2%	100%
	% of pop	81%	19%	100%
Total # systems		139,205	14,297	153,502

Ground Water Systems having ground water (GW) and purchased ground water (GWP) sources

Surface Water Systems having surface water (SW), purchased surface water (SWP), ground water under the direct influence of surface water (GU), and purchased ground water under the direct influence of surface water (GUP) sources

Data are based on SDWIS/FED 09Q3 tables were "frozen" in early October 2009

FY2009 Water System Data by State

Active, current systems, from SDWIS/FED 09Q3 frozen inventory table

Health-based (Treatment Technique & Maximum Contaminant Level) violations, from 09Q3 frozen violations table

systems
Pop served

	CWS		NTNCWS	TNCWS	Total	Ground	Surface	CWSs w/ reported health-based violations	
	NTNCWS	TNCWS						# systems	%
AK	436	245	896	1,577	1,306	271	76	17%	
	585,235	61,824	108,030	755,089	345,569	409,520	33,998	6%	
AL	531	27	61	619	378	241	35	7%	
	5,472,867	16,146	6,841	5,495,854	1,504,920	3,990,934	227,967	4%	
AR	708	35	352	1,095	691	404	137	19%	
	2,647,496	8,917	20,652	2,677,065	905,386	1,771,679	644,578	24%	
AZ	798	210	584	1,592	1,534	58	106	13%	
	6,115,466	128,659	113,389	6,357,514	2,914,624	3,442,890	200,764	3%	
CA	2,961	1,365	2,808	7,134	5,906	1,228	304	10%	
	39,377,730	376,722	1,438,842	41,193,294	7,666,318	33,526,976	941,301	2%	
CO	860	169	993	2,022	1,504	518	92	11%	
	5,264,265	74,354	250,546	5,589,165	716,451	4,872,714	165,381	3%	
CT	566	600	1,487	2,653	2,574	79	55	10%	
	2,650,150	114,208	57,916	2,822,274	426,441	2,395,833	70,230	3%	
DC	5	1	-	6	-	6	1	20%	
	606,730	370	0	607,100	-	607,100	-	0%	
DE	212	91	186	489	482	7	17	8%	
	888,989	26,347	53,106	968,442	485,092	483,350	24,980	3%	
FL	1,773	915	3,033	5,721	5,647	74	143	8%	
	18,977,875	250,819	254,817	19,483,511	15,721,585	3,761,926	842,352	4%	
GA	1,777	208	498	2,483	2,250	233	88	5%	
	8,278,872	65,697	82,202	8,426,771	1,770,332	6,656,439	424,043	5%	
HI	113	15	2	130	118	12	7	6%	
	1,441,427	11,260	375	1,453,062	1,291,355	161,707	88,715	6%	
IA	1,134	133	683	1,950	1,799	151	71	6%	
	2,685,264	47,390	80,908	2,813,562	1,510,584	1,302,978	92,106	3%	
ID	752	225	987	1,964	1,884	80	133	18%	
	1,091,272	52,116	106,193	1,249,581	990,020	259,561	181,851	17%	
IL	1,756	402	3,573	5,731	4,996	735	108	6%	
	12,049,873	129,074	359,037	12,537,984	3,570,467	8,967,517	529,661	4%	
IN	820	604	2,832	4,256	4,137	119	64	8%	
	4,710,557	194,504	378,003	5,283,064	2,929,182	2,353,882	361,196	8%	
KS	895	48	90	1,033	654	379	110	12%	
	2,572,953	20,645	4,195	2,597,793	708,785	1,889,008	170,152	7%	
KY	405	27	47	479	153	326	38	9%	
	4,450,773	12,271	6,384	4,469,428	416,484	4,052,944	344,876	8%	
LA	1,069	150	231	1,450	1,359	91	124	12%	
	4,887,944	56,344	60,126	5,004,414	2,994,442	2,009,972	756,459	15%	
MA	530	271	928	1,729	1,513	216	71	13%	
	9,314,153	73,462	139,444	9,527,059	1,934,787	7,592,272	835,037	9%	
MD	484	561	2,482	3,527	3,404	123	50	10%	
	5,145,864	160,542	216,098	5,522,504	935,549	4,586,955	1,693,762	33%	
ME	381	359	1,160	1,900	1,818	82	63	17%	
	661,560	68,358	183,582	913,500	467,894	445,606	94,128	14%	
MI	1,404	1,464	8,686	11,554	11,247	307	113	8%	
	7,614,815	336,872	1,020,307	8,971,994	3,068,050	5,903,944	123,467	2%	
MN	958	523	5,781	7,262	7,149	113	59	6%	
	4,191,398	78,401	536,240	4,806,039	3,467,539	1,338,500	205,420	5%	
MO	1,478	250	1,057	2,785	2,538	247	195	13%	
	5,175,712	76,761	116,403	5,368,876	1,851,384	3,517,492	276,645	5%	
MS	1,117	84	76	1,277	1,264	13	100	9%	
	3,083,388	75,091	10,216	3,168,695	2,933,268	235,427	379,259	12%	

FY2009 Water System Data by State

systems
Pop served

Active, current systems, from SDWIS/FED 09Q3 frozen inventory table

Health-based (Treatment Technique & Maximum Contaminant Level) violations, from 09Q3 frozen violations table

					CWSs w/ reported health-based violations			
	CWS	NTNCWS	TNCWS	Total	Ground	Surface		
MT	686	254	1,157	2,097	1,881	216	95	14%
	716,606	79,028	176,244	971,878	540,052	431,826	78,998	11%
NC	2,129	455	3,753	6,337	5,892	445	322	15%
	7,366,427	124,936	318,186	7,809,549	1,984,364	5,825,185	701,741	10%
ND	332	24	152	508	399	109	19	6%
	568,478	3,658	13,893	586,029	265,824	320,205	13,265	2%
NE	596	162	566	1,324	1,264	60	137	23%
	1,478,839	52,263	53,618	1,584,720	745,620	839,100	164,688	11%
NH	706	450	1,265	2,421	2,364	57	108	15%
	854,669	96,692	318,595	1,269,956	739,868	530,088	80,473	9%
NJ	614	803	2,423	3,840	3,722	118	44	7%
	8,785,575	354,170	416,911	9,556,656	3,707,519	5,849,137	1,672,522	19%
NM	623	160	456	1,239	1,165	74	98	16%
	1,704,947	51,956	77,437	1,834,340	1,085,421	748,919	232,416	14%
NV	215	105	242	562	523	39	37	17%
	2,529,692	41,609	23,171	2,594,472	294,981	2,299,491	117,583	5%
NY	2,668	749	5,877	9,294	7,996	1,298	281	11%
	17,953,613	313,262	2,845,236	21,112,111	5,482,338	15,629,773	1,857,850	10%
OH	1,261	796	2,983	5,040	4,726	314	73	6%
	10,350,734	228,342	424,427	11,003,503	3,461,001	7,542,502	404,712	4%
OK	1,103	105	363	1,571	838	733	213	19%
	3,519,562	21,230	30,432	3,571,224	660,538	2,910,686	748,790	21%
OR	871	336	1,423	2,630	2,324	306	97	11%
	3,199,133	71,637	212,474	3,483,244	787,167	2,696,077	69,210	2%
PA	2,073	1,227	6,109	9,409	8,816	593	175	8%
	10,757,852	521,004	779,324	12,058,180	2,600,087	9,458,093	586,558	5%
RI	87	72	284	443	416	27	10	11%
	977,970	26,431	48,774	1,053,175	210,121	843,054	76,574	8%
SC	612	139	736	1,487	1,143	344	37	6%
	3,819,317	42,383	40,981	3,902,681	616,963	3,285,718	380,537	10%
SD	457	26	173	656	515	141	57	12%
	686,897	8,180	22,977	718,054	312,723	405,331	35,296	5%
TN	483	46	355	884	529	355	38	8%
	6,095,241	26,463	56,565	6,178,269	1,483,034	4,695,235	303,020	5%
TX	4,649	855	1,234	6,738	5,489	1,249	423	9%
	24,630,929	511,200	249,813	25,391,942	7,266,177	18,125,765	1,462,779	6%
UT	465	68	490	1,023	891	132	45	10%
	2,686,530	30,015	75,574	2,792,119	824,644	1,967,475	134,484	5%
VA	1,198	565	1,116	2,879	2,492	387	135	11%
	6,553,650	307,903	171,198	7,032,751	779,408	6,253,343	135,054	2%
VT	445	242	679	1,366	1,248	118	82	18%
	452,470	41,814	97,807	592,091	317,127	274,964	47,372	10%
WA	2,253	320	1,575	4,148	3,889	259	215	10%
	6,172,424	143,150	394,578	6,710,152	3,049,884	3,660,268	104,501	2%
WI	1,074	877	9,531	11,482	11,428	54	93	9%
	3,987,846	209,247	716,891	4,913,984	3,063,447	1,850,537	337,714	8%
WV	498	122	456	1,076	742	334	37	7%
	1,498,069	39,313	32,911	1,570,293	306,738	1,263,555	135,834	9%
WY	308	89	378	775	637	138	20	6%
	444,979	23,369	74,672	543,020	196,626	346,394	7,576	2%
	50,329	18,029	83,289	151,647	137,634	14,013	5,251	
	287,735,077	5,886,409	13,276,541		102,308,180	204,589,847	19,597,875	

FY2009 Water System Data - Tribal

Active, current systems, from SDWIS/FED 09Q3 frozen inventory table

Health-based (Treatment Technique & Maximum Contaminant Level) violations, from 09Q3 frozen violations table

systems
Pop served

Region	CWS	NTNCWS	TNCWS	Total	Ground	Surface	CWSs w/ reported health-based violations	
							# systems	Pop served
01	3	2	1	6	4	1	1	33%
	90,594	60	40	90,694	195	48,836	95	0%
02	7	1	1	9	7	2	1	14%
	11,071	175	200	11,446	2,097	9,349	42	0%
04	14	2	15	31	30	1		
	21,042	1,107	1,576	23,725	14,225	9,500		
05	77	24	7	108	106	2	2	3%
	97,937	26,931	500	125,368	124,879	489	701	1%
06	50	23	14	87	77	9	7	14%
	72,919	81,606	2,809	157,334	135,371	15,963	9,325	13%
07	9	2	4	15	14	1	2	22%
	5,394	1,250	755	7,399	6,699	700	900	17%
08	111	14	8	133	108	25	11	10%
	89,828	5,294	481	95,603	69,592	26,011	8,649	10%
09	237	51	32	320	296	24	70	30%
	283,197	95,417	6,696	385,310	338,421	46,889	105,613	37%
10	83	18	10	111	98	13	8	10%
	45,057	36,125	915	82,097	51,419	30,678	5,783	13%
Navajo Nation	142	15	5	162	157	5	15	11%
	144,656	4,596	909	150,161	132,351	17,810	31,025	21%
	733	152	97	982	897	83	15	
	861,695	252,561	14,881		875,249	206,225	31,025	

FY2009 Water System Data – Commonwealths and Territories

Active, current systems, from SDWIS/FED 09Q3 frozen inventory table

Health-based (Treatment Technique & Maximum Contaminant Level) violations, from 09Q3 frozen violations table

systems
Pop served

	CWS	NTNCWS	TNCWS	Total	Ground	Surface	CWSs w/ reported health-based violations	
							# systems	Pop served
Amer. Samoa	19			19	13	6	5	26%
	51,435			51,435	5,277	46,158	1,158	2%
Guam	5	4		9	6	3		0%
	194,286	2,090		196,376	155,840	40,536		0%
N. Marianas Islands	44	23	11	78	75	3	5	11%
	81,708	7,428	794	89,930	22,429	67,501	66,780	82%
Puerto Rico	440	52	6	498	286	212	235	53%
	5,333,336	48,848	1,894	5,384,078	769,275	4,614,803	3,324,254	62%
Virgin Islands	81	135	81	297	294	3	7	9%
	82,344	45,869	9,196	137,409	65,909	71,500	997	1%
	589	214	98	901	674	227	252	
	5,743,109	104,235	11,884		1,018,730	4,840,498	3,393,189	

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 2011, 91 percent of the population served by community water systems will receive drinking water that meets all applicable health-based drinking water standards through approaches including effective treatment and source water protection. (2005 Baseline: 89 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	1	2	3	4	5	6	7	8	9	10
2009	92.1%	92%	79%	90%	94%	95%	90%	94%	96%	97%	96%
2008	92.0%	91%	82%	90%	94%	95%	89%	83%	96%	98%	96%
2007	91.5%	92%	76%	95%	93%	93%	92%	93%	97%	95%	92%
2006	89.4%	92%	61%	93%	93%	92%	88%	91%	96%	98%	95%
2005	88.5%	92%	55%	93%	93%	94%	88%	91%	95%	95%	95%
2004	90.0%	93%	80%	85%	93%	96%	92%	91%	92%	86%	93%
2003	89.6%	89%	54%	95%	93%	95%	93%	93%	92%	98%	93%
2002	93.6%	88%	81%	98%	96%	94%	93%	95%	97%	99%	91%
2001	90.8%	65%	77%	98%	95%	92%	96%	90%	94%	97%	83%
2000	90.7%	62%	76%	97%	95%	95%	96%	95%	94%	94%	83%
1999	90.5%	75%	61%	98%	95%	95%	95%	95%	94%	97%	94%
1998	89.0%	64%	60%	97%	95%	95%	95%	94%	93%	95%	89%
1997	86.5%	62%	55%	97%	93%	92%	93%	95%	91%	95%	74%
1996	85.6%	60%	53%	92%	93%	92%	94%	95%	93%	91%	74%
1995	83.8%	57%	52%	91%	92%	92%	88%	95%	90%	88%	75%
1994	83.0%	57%	55%	87%	90%	88%	87%	94%	91%	90%	87%
1993	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 FY2009, population and violation data are from SDWIS/FED 09Q3 frozen tables.

For FY2008, population and violation data are from SDWIS/FED 08Q3 frozen tables.

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 Target for Drinking Water SP-2

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 Target SP-2: By 2011, community water systems will provide drinking water that meets all applicable health-based drinking water standards during 96 percent of person months (i.e., all persons served by community water systems times 12 months). (2005 baseline: 95.2 percent.)

The measure tracks the duration of a population's exposure to violations. For example, some systems may receive a violation for an incident that lasts only one day (e.g., turbidity increase due to storm event). The measure is intended to give a more accurate picture of exposure of the population to contamination. Achievement of the measure will help ensure that the long-term outcome measure of population served by community water systems in compliance at all times is achieved.

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		1	2	3	4	5	6	7	8	9	10
2009	96.2%	96%	95%	97%	97%	97%	94%	98%	97%	94%	98%
2008	96.2%	96%	96%	97%	97%	97%	93%	97%	97%	96%	98%
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%
		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 FY2009, population and violation data are from SDWIS/FED 09Q3 frozen tables.

For FY2008, population and violation data are from SDWIS/FED 08Q3 frozen tables.

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.

CWS Violations Reported by Fiscal Year

FY2009 data from SDWIS/FED 09Q3 frozen tables

FY2008 data from SDWIS/FED 08Q3 frozen tables

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
2009	9,971	5	2,392	60,823	20,941	94,132
2008	9,883	5	2,647	103,064	20,774	136,373
2007	9,410	5	3,056	61,316	23,299	97,086
2006	9,076	7	2,790	57,117	19,245	88,235
2005	9,360	4	3,036	109,167	18,414	139,981
2004	5,340	6	2,168	87,393	14,459	109,366
2003	4,688	1	2,299	58,675	12,671	78,334

Number of systems in violation

FY	MCL	MRDL	TT	M/R	Other*	Total*
2009	4,451	3	1,401	13,403	8,546	20,684
2008	4,553	5	1,506	13,084	8,631	20,797
2007	4,412	4	1,648	12,619	10,429	21,544
2006	4,371	3	1,538	13,071	9,600	21,618
2005	4,383	4	1,625	14,291	10,258	22,772
2004	3,419	4	1,409	13,551	8,947	21,055
2003	3,042	1	1,458	12,819	8,109	20,280

Population affected

FY	MCL	MRDL	TT	M/R	Other*	Total*
2009	15,918,279	29,763	10,643,904	50,360,756	20,077,807	78,507,217
2008	15,841,822	1,021	10,086,935	57,538,783	21,872,736	83,385,983
2007	16,105,351	263,875	10,895,825	51,148,667	30,434,294	87,843,223
2006	16,221,483	46,344	16,612,762	52,289,555	23,372,794	83,062,903
2005	18,951,548	424,859	16,879,450	61,767,844	23,442,800	90,890,243
2004	15,018,194	3,617	16,588,301	48,675,006	17,833,120	76,870,272
2003	15,438,443	2,250	16,969,087	49,497,572	12,726,332	80,765,799

FY2009 CWS Results by System Size

Number of violations

	MCL	MRDL	TT	M/R	Other	Total
Very small	5,404	4	1,466	37,910	15,820	60,604
Small	2,953		584	13,441	3,505	20,483
Medium	1,023		183	4,362	1,009	6,577
Large	576	1	137	4,678	589	5,981
Very large	15		22	432	18	487

Number of systems in violation

	MCL	MRDL	TT	M/R	Other	Total*
Very small	2,491	2	867	8,341	5,812	12,673
Small	1,205		333	3,488	1,858	5,299
Medium	442		106	943	519	1,588
Large	304	1	80	585	341	1,051
Very large	9		15	46	16	73

Population affected

	MCL	MRDL	TT	M/R	Other	Total*
Very small	414,466	361	137,056	1,337,033	890,270	2,031,407
Small	1,760,191		492,897	4,827,782	2,551,045	7,483,656
Medium	2,540,925		619,293	5,409,412	2,952,772	9,127,587
Large	7,425,642	29,402	2,308,071	14,875,363	8,757,525	27,344,784
Very large	3,777,055		7,086,587	23,911,166	4,926,195	32,519,783

*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 Fiscal Year

FY2009 data from SDWIS/FED 09Q3 frozen tables

FY2008 data from SDWIS/FED 08Q3 frozen tables

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
2009	3,882	1	185	14,276	8,516	22,519
2008	4,068		227	14,938	8,159	22,714
2007	4,319		237	15,626	7,664	22,996
2006	4,066		211	15,571	6,417	21,800
2005	3,961		215	17,542	2,284	21,236
2004	3,960		195	17,314	1,697	20,653
2003	4,055		245	17,429	3,685	21,338

Number of systems in violation						
FY	MCL	MRDL	TT	M/R	Other	Total*
2009	3,882	1	185	14,276	8,516	22,519
2008	4,068		227	14,938	8,159	22,714
2007	4,319		237	15,626	7,664	22,996
2006	4,066		211	15,571	6,417	21,800
2005	3,961		215	17,542	2,284	21,236
2004	3,960		195	17,314	1,697	20,653
2003	4,055		245	17,429	3,685	21,338

Population affected						
FY	MCL	MRDL	TT	M/R	Other	Total*
2009	1,289,606	300	37,459	2,434,722	826,580	3,413,437
2008	548,776		58,580	1,959,479	859,435	2,900,038
2007	538,931		63,160	1,999,117	731,880	2,799,528
2006	1,296,508		50,372	2,166,532	642,080	3,596,226
2005	541,171		86,648	2,260,178	344,411	2,812,854
2004	549,164		51,915	2,205,971	234,291	2,705,723
2003	540,765		40,518	2,159,794	340,950	2,647,611

TNCWS Violations Reported by Fiscal Year

Number of violations						
FY	MCL	MRDL	TT	M/R	Other	Total
2009	4,969	1	259	24,397	26,422	56,048
2008	5,259		384	26,589	24,437	56,669
2007	5,575		435	28,599	22,078	56,687
2006	5,264		474	29,848	19,010	54,596
2005	4,994		502	34,880	4,800	45,176
2004	5,003		415	34,295	3,028	42,741
2003	5,063		573	33,666	8,640	47,942

Number of systems in violation						
FY	MCL	MRDL	TT	M/R	Other	Total*
2009	3,882	1	185	14,276	8,516	22,519
2008	4,068		227	14,938	8,159	22,714
2007	4,319		237	15,626	7,664	22,996
2006	4,066		211	15,571	6,417	21,800
2005	3,961		215	17,542	2,284	21,236
2004	3,960		195	17,314	1,697	20,653
2003	4,055		245	17,429	3,685	21,338

Population affected						
FY	MCL	MRDL	TT	M/R	Other	Total*
2009	1,289,606	300	37,459	2,434,722	826,580	3,413,437
2008	548,776		58,580	1,959,479	859,435	2,900,038
2007	538,931		63,160	1,999,117	731,880	2,799,528
2006	1,296,508		50,372	2,166,532	642,080	3,596,226
2005	541,171		86,648	2,260,178	344,411	2,812,854
2004	549,164		51,915	2,205,971	234,291	2,705,723
2003	540,765		40,518	2,159,794	340,950	2,647,611

*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.

FY2008 MCL, MRDL and TT violations reported

violations
systems
Pop. affected

From SDWIS/FED 09Q3 frozen violations table

	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	7,265 5,526 596,824	936 736 1,011,374	285 240 1,391,789	262 205 5,039,392	5 5 2,919,071	8,753 6,712 10,958,450
Applies to CWS & NTNCWS that disinfect (plus TNCWSs that use ClO2)						
Stage 1 DBP	1,417 590 101,915	1,471 494 754,537	522 183 1,043,531	143 69 1,387,713	5 3 532,597	3,558 1,339 3,820,293
Applies to surface water systems						
SWTR	733 403 64,231	202 131 175,254	26 24 157,890	15 13 380,543	5 5 3,080,163	981 576 3,858,081
Applies to surface water systems						
IE&LT1SWTR	162 63 12,194	145 68 105,523	39 25 145,744	68 36 1,091,775	14 9 4,627,993	428 201 5,983,229
Organics: Applies to CWS and NTNCWS						
VOC	39 20 3,105	7 5 10,449	3 2 8,012	2 1 14,060		51 28 35,626
SOC	26 12 1,258	7 3 2,736	3 2 10,192	1 1 17,500		37 18 31,686
Inorganics: Applies to CWS and NTNCWS						
Nitrate/Nitrite	948 551 62,595	149 61 73,587	18 6 29,974	12 6 110,647		1,127 624 276,803
Arsenic	1,622 696 104,370	515 176 237,810	212 49 287,016	75 25 728,314		2,424 946 1,357,510
Other IOC	289 101 16,079	83 30 38,251	9 4 27,675	12 7 283,422	4 1 100,387	397 143 465,814
Applies to CWS						
Radionuclides	704 232 39,647	299 90 119,302	81 27 150,770	109 24 643,817	4 1 155,000	1,197 374 1,108,536
Applies to CWS and NTNCWS						
Lead & Copper	1,150 836 117,520	225 185 231,273	40 31 171,234	19 16 508,661	1 1 173,431	1,435 1,069 1,202,119

Acronyms:

TCR = Total Coliform Rule

SWTR = Surface Water Treatment Rule

IE<1SWTR = Interim Enhanced and Long Term 1 Surface Water Treatment Rule

DBP = Disinfection By-Products Rule

VOC = Regulated volatile organic contaminants (e.g., Benzene) other than TTHM (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

FY2008 Monitoring violations reported

From SDWIS/FED 09Q3 frozen violations table

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	26,541	2,535	331	186	19	29,612
	16,377	1,614	280	150	14	18,435
	1,726,892	2,015,229	1,601,075	4,040,901	4,546,479	13,930,576
Applies to CWS & NTNCWS that disinfect (plus TNCWSs that use ClO2)						
Stage 1 DBP	3,967	1,623	456	226	10	6,282
	2,386	1,023	274	129	6	3,818
	405,558	1,367,321	1,553,060	3,332,316	3,045,026	9,703,281
Applies to surface water systems						
SWTR	717	231	76	19	3	1,046
	229	114	39	11	2	395
	39,579	138,706	233,070	206,525	1,280,000	1,897,880
Applies to surface water systems						
IE&LT1SWTR	254	201	69	28	5	557
	78	82	32	21	3	216
	15,344	113,091	191,376	447,659	3,250,636	4,018,106
Organics: Applies to CWS and NTNCWS						
VOC	21,049	4,053	1,014	1,666	189	27,971
	758	165	43	52	7	1,025
	99,705	228,800	251,563	1,511,496	2,829,170	4,920,734
SOC	9,457	1,666	643	1,119	143	13,028
	305	85	28	39	3	460
	35,985	115,903	167,635	1,012,757	744,787	2,077,067
Inorganics: Applies to CWS and NTNCWS						
Nitrate/Nitrite	6,835	590	99	83	6	7,613
	5,867	463	67	54	5	6,456
	613,949	566,609	389,129	1,546,166	1,250,489	4,366,342
Arsenic	625	209	62	61	9	966
	481	132	35	36	5	689
	70,094	163,075	210,472	1,068,506	2,556,191	4,068,338
Other IOC	1,698	456	163	184	13	2,514
	199	64	11	21	3	298
	25,788	91,819	72,617	593,839	3,367,135	4,151,198
Applies to CWS						
Radionuclides	1,820	3,402	1,312	904	9	7,447
	467	677	158	69	2	1,373
	93,482	1,005,215	845,920	1,488,266	355,710	3,788,593
Applies to CWS and NTNCWS						
Lead & Copper	8,526	1,871	382	247	28	11,054
	5,768	1,379	317	202	16	7,682
	832,824	1,721,331	1,813,721	4,868,381	11,689,885	20,926,142

Acronyms:

TCR = Total Coliform Rule

SWTR = Surface Water Treatment Rule

IE<1SWTR = Interim Enhanced and Long Term 1 Surface Water Treatment Rule

DBP = Disinfection By-Products Rule

VOC = Regulated volatile organic contaminants (e.g., Benzene) other than TTHM (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

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		27	1,305				1,747
AL			240	1	5		415
AR	4	9	1,070				209
AS							
AZ				2	3		50,307
CA		59	30,834	1	126		17,083
CO		6	799	3	27		1,762
CT							578
DC							108
DE							1,173
FL	1	171	62				54,528
GA							8,874
GU							141
HI							5,363
IA			2				1,402
ID							14,327
IL	3	2	7,767				12,544
IN	5	18	1,336				8,430
KS	5	56	16,610	4	140		5,880
KY		2	3,409				14,069
LA	18	23	3,371	20	87		130
MA							2,605
MD							13,686
ME							1,863
MI	7	20	1,519	5	53		8,934
MN							2,744
MO			204				7,573
MP							20
MS	4	1	1,059				1,676
MT			972				756
NC						3	20,234
ND		4	1,023				554
NE		1	659	1	3,473		669
NH							6,395
NJ							968
NM		5	4,543	14	15		1,296
NV			15				709

Underground Injection Control Program-Inventory of Wells (Continued)

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

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		1	532	6	174		30,843
OH	10		2,711	4	47		16,625
OK		6	10,470	1	2	1	925
OR			5			4	28,730
PA			1,845				13,897
PR							3,341
RI							1,292
SC							19,989
SD			79	1	555		232
TN			18				1,730
TX	50	56	51,456	89	5,457	4	24,888
UT			357	1	12	8	5,346
VA			17	1	6		12,394
VI							71
VT							1,820
WA			1				31,166
WI							1,680
WV			784	1	14		3,673
WY		41	4,920	3	10,490		1,213
	107	508	149,994	158	20,686	20	469,607

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				70
EPA R5		14		668
EPA R6	1	2,426		8
EPA R7				16
EPA R8		953		66
EPA R9		375		379
EPA R10				811
	1	3,768	-	2,044