

Appendix C

*Summary of
Clean Watersheds Needs Survey 2000
Technical Information*

Table C-1 summarizes the number of treatment facilities and collection systems in operation in 2000 in each State and U.S. Territory.

Table C-1. Number of Operational Treatment Facilities and Collection Systems in 2000

State	Treatment Facilities	Collection Systems	State	Treatment Facilities	Collection Systems
Alabama	272	275	New Hampshire	85	117
Alaska	45	46	New Jersey	156	575
Arizona	118	132	New Mexico	55	64
Arkansas	335	367	New York ^a	588	1,048
California ^a	586	797	North Carolina	491	617
Colorado ^a	311	391	North Dakota	282	284
Connecticut	91	137	Ohio	765	1,008
Delaware	18	42	Oklahoma	489	495
District of Columbia	1	1	Oregon	207	254
Florida	277	317	Pennsylvania	779	1,553
Georgia	352	403	Rhode Island	21	34
Hawaii	21	21	South Carolina	186	206
Idaho	168	207	South Dakota ^a	271	274
Illinois	721	1,018	Tennessee	246	281
Indiana	404	482	Texas	1,363	1,675
Iowa	726	756	Utah	97	164
Kansas	634	673	Vermont	81	97
Kentucky	224	255	Virginia	227	290
Louisiana	355	382	Washington	235	331
Maine	137	171	West Virginia	212	289
Maryland	156	201	Wisconsin	592	823
Massachusetts	126	230	Wyoming ^b	96	121
Michigan	396	663	American Samoa ^b	2	2
Minnesota	514	655	Guam ^b	7	7
Mississippi	303	352	N. Mariana Islands ^b	2	2
Missouri	678	751	Puerto Rico ^b	30	30
Montana	194	204	Virgin Islands ^b	12	12
Nebraska	464	469			
Nevada ^b	51	56	Total	16,255	21,107

^a California, Colorado, New York, and South Dakota did not have the resources to complete the updating of these data.

^b Results presented in this table for American Samoa, Guam, Northern Mariana Islands, Nevada, Puerto Rico, Virgin Islands, and Wyoming are from the 1996 survey because these States and Territories did not participate in the CWNS 2000.

Table C-2 summarizes the number of treatment facilities and collection systems projected to be in operation in each State and U.S. Territory if all documented needs are met.

Table C-2. Number of Operational Treatment Facilities and Collection Systems If All Documented Needs Are Met

State	Treatment Facilities	Collection Systems	State	Treatment Facilities	Collection Systems
Alabama	279	285	New Hampshire	85	120
Alaska	50	51	New Jersey	164	600
Arizona	232	258	New Mexico	58	68
Arkansas	360	406	New York ^a	657	1,175
California ^a	579	799	North Carolina	518	702
Colorado ^a	331	430	North Dakota	282	286
Connecticut	99	159	Ohio	837	1,213
Delaware	18	49	Oklahoma	487	496
District of Columbia	1	1	Oregon	219	270
Florida	302	346	Pennsylvania	1,013	1,936
Georgia	345	405	Rhode Island	20	36
Hawaii	27	27	South Carolina	187	222
Idaho	177	219	South Dakota ^a	273	276
Illinois	754	1,056	Tennessee	251	286
Indiana	424	510	Texas	1,469	1,850
Iowa	744	775	Utah	114	188
Kansas	665	712	Vermont	84	100
Kentucky	301	369	Virginia	254	383
Louisiana	371	405	Washington	240	337
Maine	145	184	West Virginia	404	626
Maryland	180	303	Wisconsin	628	974
Massachusetts	141	267	Wyoming ^b	96	121
Michigan	403	673	American Samoa ^b	2	2
Minnesota	518	661	Guam ^b	6	7
Mississippi	372	475	N. Mariana Islands ^b	2	2
Missouri	729	848	Puerto Rico ^b	30	30
Montana	208	218	Virgin Islands ^b	12	12
Nebraska	475	483			
Nevada ^b	52	56	Total	17,674	23,748

^a California, Colorado, New York, and South Dakota did not have the resources to complete the updating of these data.

^b Results presented in this table for American Samoa, Guam, Northern Mariana Islands, Nevada, Puerto Rico, Virgin Islands, and Wyoming are from the 1996 survey because these States and Territories did not participate in the CWNS 2000.

Table C-3 shows, for five flow ranges, the number of treatment facilities in operation in 2000 and the number projected to be in operation if all documented needs are met. The number of facilities and their cumulative flow (in millions of gallons per day) are shown for each of the flow ranges.

Table C-3. Number of Treatment Facilities by Flow Range

Treatment Facilities in Operation in 2000 ^{a,b}		
Existing Flow Range (mgd)	Number of Facilities	Total Existing Flow (mgd)
0.001 to 0.100	6,583	290
0.101 to 1.000	6,462	2,339
1.001 to 10.000	2,665	8,328
10.001 to 100.000	487	12,741
100.001 and greater	46	11,201
Other ^c	12	—
Total	16,255	34,899

Treatment Facilities in Operation in 2000 If All Documented Needs Are Met ^{a,b}		
Design Flow Range (mgd)	Number of Facilities	Total Future Design Flow Capacity (mgd)
0.001 to 0.100	6,112	298
0.101 to 1.000	7,223	2,750
1.001 to 10.000	3,525	12,081
10.001 to 100.000	748	19,873
100.001 and greater	64	15,040
Other ^c	2	—
Total	17,674	50,042

^a California, Colorado, New York, and South Dakota did not have the resources to complete the updating of these data.

^b Results presented in this table for American Samoa, Guam, Nevada, Northern Mariana Islands, Puerto Rico, Virgin Islands, and Wyoming are from the 1996 survey because these States and Territories did not participate in the CWNS 2000.

^c Flow data for these facilities were unavailable.

Table C-4 shows, by level of treatment, the number of treatment facilities in operation in 2000 and the number projected to be in operation if all documented needs are met. The number of facilities, their cumulative capacities (in millions of gallons per day), and the population served are shown for each level of treatment. The population served number is then presented as a percentage of the total 2000 U.S. population.

Table C-4. Number of Treatment Facilities by Level of Treatment

Treatment Facilities in Operation in 2000 ^{a,b}				
Level of Treatment	Number of Facilities	Present Design Capacity (mgd)	Number of People Served	Percent of U.S. Population
Less than Secondary ^c	47	1,023	6,426,062	2.3
Secondary	9,156	19,268	88,221,896	32.0
Greater than Secondary	4,892	22,165	100,882,207	36.6
No Discharge ^d	1,938	2,039	12,283,047	4.5
Partial Treatment ^e	222	563	—	—
Total	16,255	45,058	207,813,212^f	75.4

Treatment Facilities in Operation in 2000 If All Documented Needs Are Met ^{a,b}				
Level of Treatment	Number of Facilities	Future Design Capacity (mgd)	Number of People Served	Percent of U.S. Population
Less than Secondary ^c	27	481	3,851,000	1.2
Secondary	9,463	20,008	103,716,058	31.9
Greater than Secondary	5,739	26,239	140,251,554	43.2
No Discharge ^d	2,221	2,579	21,224,596	6.5
Partial Treatment ^e	224	734	—	—
Total	17,674	50,041	269,043,208^f	82.8

^a California, Colorado, New York, and South Dakota did not have the resources to complete the updating of these data.

^b Results presented in this table for American Samoa, Guam, Nevada, Northern Mariana Islands, Puerto Rico, Virgin Islands, and Wyoming are from the 1996 survey because these States and Territories did not participate in the CWNS 2000.

^c Less-than-secondary facilities include facilities granted or pending section 301(h) waivers from secondary treatment for discharges to marine waters.

^d No-discharge facilities do not discharge treated wastewater to the Nation's waterways. These facilities dispose of wastewater via methods such as industrial reuse, irrigation, or evaporation.

^e These facilities provide some treatment to wastewater and discharge their effluents to wastewater facilities for further treatment and discharge.

^f This table does not include the results for approximately 3.3 million people (present) and 3.5 million people (future) that are receiving centralized collection because the data related to flow and effluent levels were not complete for the CWNS 2000.

Table C-5 presents the number of CSO facilities with documented needs identified during the 1996 Clean Water Needs Survey and the CWNS 2000.

Table C-5. Number of Facilities With CSO Correction Needs and Total CSO Correction Needs: 1996 and 2000
(January 2000 dollars in millions)

State	Number of Facilities with CSO Needs in 1996	Number of Facilities with CSO Needs in 2000	1996 CSO Needs (\$ Millions)	2000 CSO Needs (\$ Millions)
Alabama	0	0	0	0
Alaska	1	1	18	5
Arizona	0	0	0	0
Arkansas	0	0	0	0
California	4	1	1,215	426
Colorado	1	1	13	9
Connecticut	10	6	485	500
Delaware	2	1	124	102
District of Columbia	1	1	493	1,019
Florida	0	0	0	0
Georgia	7	2	408	918
Hawaii	0	0	0	0
Idaho	0	0	0	0
Illinois	104	105	10,415	9,450
Indiana	119	107	4,953	5,468
Iowa	16	14	527	1,534
Kansas	3	3	589	396
Kentucky	15	12	930	217
Louisiana	0	0	0	0
Maine	46	48	542	653
Maryland	7	8	127	396
Massachusetts	28	25	2,246	2,324
Michigan	48	21	4,133	2,437
Minnesota	1	1	29	6
Mississippi	0	0	0	0
Missouri	12	7	985	1,180
Montana	1	0	1	0
Nebraska	3	2	272	861
Nevada ^a	0	0	0	NR
New Hampshire	5	4	461	485
New Jersey	37	39	3,348	4,385
New Mexico	0	0	0	0
New York	64	83	4,429	5,497
North Carolina	1	1	1	3

continued

Table C-5. (continued)

State	Number of Facilities with CSO Needs in 1996	Number of Facilities with CSO Needs in 2000	1996 CSO Needs (\$ Millions)	2000 CSO Needs (\$ Millions)
North Dakota	0	0	0	0
Ohio	110	109	4,660	3,623
Oklahoma	0	0	0	0
Oregon	5	2	757	74
Pennsylvania	110	123	4,415	5,431
Rhode Island	3	3	573	633
South Carolina	0	0	0	0
South Dakota	3	1	16	2
Tennessee	3	2	110	244
Texas	0	0	0	0
Utah	0	0	0	0
Vermont	20	4	179	31
Virginia	4	3	617	460
Washington	16	11	600	608
West Virginia	56	45	857	869
Wisconsin	3	3	59	342
Wyoming ^a	0	0	0	NR
American Samoa ^a	0	0	0	NR
Guam ^a	0	0	0	NR
N. Mariana Islands ^a	0	0	0	NR
Puerto Rico ^a	0	0	0	NR
Virgin Islands ^a	0	0	0	NR
Total	869	799	49,587	50,588

Note: NR = not reported. American Samoa, Guam, Northern Mariana Islands, Nevada, Puerto Rico, Virgin Islands, and Wyoming did not participate in the CWNS 2000.

^a Results presented in this table for American Samoa, Guam, Northern Mariana Islands, Nevada, Puerto Rico, Virgin Islands, and Wyoming are from the 1996 survey because these States and Territories did not participate in the CWNS 2000.

Table C-6 presents the number of storm water facilities with needs identified in the CWNS 2000 by the size of the MS4.

Table C-6. Number of Facilities With MS4 Storm Water Needs and Total MS4 Needs (January 2000 dollars in millions)

State	Small MS4 Facilities (<100,000 people)		Medium MS4 Facilities (100,000 through 249,999 people)		Large MS4 Facilities (>250,000 people)	
	Number of Facilities ^a	Needs (\$ Millions)	Number of Facilities ^a	Needs (\$ Millions)	Number of Facilities ^a	Needs (\$ Millions)
Alabama	0	0	0	0	0	0
Alaska	0	0	0	0	0	0
Arizona	7	137	5	174	5	941
Arkansas	0	0	0	0	0	0
California	18	182	5	45	5	124
Colorado	10	20	1	14	1	14
Connecticut	0	0	0	0	0	0
Delaware	0	0	0	0	0	0
District of Columbia	0	0	0	0	1	37
Florida	46	150	20	325	17	205
Georgia	0	0	0	0	0	0
Hawaii	0	0	0	0	0	0
Idaho	0	0	0	0	0	0
Illinois	0	0	0	0	0	0
Indiana	0	0	0	0	0	0
Iowa	1	1	0	0	0	0
Kansas	0	0	0	0	0	0
Kentucky	0	0	1	3	0	0
Louisiana	0	0	0	0	0	0
Maine	0	0	0	0	0	0
Maryland	1	0 ^b	6	47	5	409
Massachusetts	0	0	0	0	0	0
Michigan	0	0	0	0	0	0
Minnesota	2	9	0	0	1	111
Mississippi	0	0	0	0	0	0
Missouri	0	0	0	0	0	0
Montana	0	0	0	0	0	0
Nebraska	7	7	1	17	0	0
Nevada	NR	NR	NR	NR	NR	NR
New Hampshire	0	0	0	0	0	0
New Jersey	47	89	0	0	0	0
New Mexico	0	0	0	0	0	0

continued

Table C-6. (continued)

State	Small MS4 Facilities (<100,000 people)		Medium MS4 Facilities (100,000 through 249,999 people)		Large MS4 Facilities (>250,000 people)	
	Number of Facilities ^a	Needs (\$ Millions)	Number of Facilities ^a	Needs (\$ Millions)	Number of Facilities ^a	Needs (\$ Millions)
New York	6	5	0	0	2	11
North Carolina	0	0	2	1	1	0 ^b
North Dakota	3	4	0	0	0	0
Ohio	0	0	0	0	0	0
Oklahoma	0	0	0	0	1	190
Oregon	0	0	0	0	0	0
Pennsylvania	0	0	10	17	0	0
Rhode Island	0	0	0	0	0	0
South Carolina	0	0	0	0	0	0
South Dakota	7	14	0	0	0	0
Tennessee	0	0	0	0	0	0
Texas	0	0	1	21	31	2,204
Utah	0	0	1	5	0	0
Vermont	0	0	0	0	0	0
Virginia	0	0	0	0	0	0
Washington	0	0	0	0	0	0
West Virginia	0	0	0	0	0	0
Wisconsin	5	16	0	0	0	0
Wyoming	NR	NR	NR	NR	NR	NR
American Samoa	NR	NR	NR	NR	NR	NR
Guam	NR	NR	NR	NR	NR	NR
N. Mariana Islands	NR	NR	NR	NR	NR	NR
Puerto Rico	NR	NR	NR	NR	NR	NR
Virgin Islands	NR	NR	NR	NR	NR	NR
Total	160	634	53	669	70	4,246

Note: NR = not reported. American Samoa, Guam, Northern Mariana Islands, Nevada, Puerto Rico, Virgin Islands, and Wyoming did not participate in the CWNS 2000.

^a The number of facilities on this table does not reflect the number of MS4s in a particular state. The number of facilities reflects how many records were entered into the CWNS 2000 database, and one facility can cover multiple MS4s or multiple facilities can cover one MS4.

^b Estimate is less than \$0.5 million.

Table C-7 shows, by treatment level, the number of facilities in operation in 2000 and the population served at the State level. The number of facilities and population served are shown for each level of treatment and for each State and U.S. Territory.

Table C-7. Number of Treatment Facilities and Population Served per State by Level of Treatment for Year 2000

State	Number of Facilities Providing Listed Effluent Level				Population Served by Listed Effluent Level			
	Less than Secondary ^a	Secondary	Greater than Secondary	No Discharge ^b	Less than Secondary ^a	Secondary	Greater than Secondary	No Discharge ^b
Alabama	0	130	129	8	0	732,009	1,994,219	7,593
Alaska	5	30	0	9	207,994	108,879	0	21,920
Arizona	0	17	18	81	0	111,767	2,215,703	1,378,004
Arkansas	0	118	207	9	0	726,471	803,753	12,155
California ^c	5	182	77	309	4,198,270	12,159,009	7,919,130	3,577,181
Colorado ^c	0	246	38	22	0	1,556,854	2,142,434	7,788
Connecticut	0	49	38	4	0	1,266,574	813,536	1,210
Delaware	0	3	11	4	0	10,476	728,997	13,070
District of Columbia ^d	0	0	1	0	0	0	1,298,601	0
Florida	0	17	84	175	0	238,764	6,155,714	4,931,819
Georgia	0	227	80	35	0	1,721,572	2,594,389	89,249
Hawaii	2	5	2	12	532,378	139,609	20,286	89,512
Idaho	0	107	5	55	0	562,008	265,812	60,303
Illinois	0	415	301	1	0	683,543	9,811,768	572
Indiana	0	125	274	0	0	410,940	3,416,852	0
Iowa	0	707	9	3	0	1,925,926	181,763	1,393
Kansas	0	355	79	197	0	694,512	1,277,425	101,964
Kentucky	0	123	94	0	0	1,242,187	921,134	0
Louisiana	1	184	163	1	3,000	2,268,451	878,478	207
Maine	12	116	2	7	9,303	624,604	16,038	5,956
Maryland	0	75	75	6	0	949,367	2,045,325	3,920
Massachusetts	1	77	35	7	20,074	4,235,095	822,135	17,043
Michigan	0	204	120	68	0	1,254,599	6,161,491	108,121
Minnesota	1	411	100	0	42	967,813	2,073,977	0
Mississippi	0	195	75	1	0	1,139,734	507,809	524
Missouri	0	578	77	21	0	3,757,717	451,630	2,663
Montana	0	107	5	80	0	397,988	89,635	63,564
Nebraska	0	298	19	146	0	977,825	155,078	64,166
Nevada ^c	0	44	3	4	0	139,996	252,229	237,442
New Hampshire	1	70	2	10	25,409	555,435	17,890	7,984
New Jersey	0	94	55	1	0	6,762,536	1,090,502	34,307
New Mexico	0	57	1	17	0	898,530	7,150	135,338

continued

Table C-7. (continued)

State	Number of Facilities Providing Listed Effluent Level				Population Served by Listed Effluent Level			
	Less than Secondary ^a	Secondary	Greater than Secondary	No Discharge ^b	Less than Secondary ^a	Secondary	Greater than Secondary	No Discharge ^b
New York ^c	0	360	178	27	0	11,273,282	3,748,413	116,814
North Carolina	0	313	134	33	0	1,056,606	2,576,092	112,989
North Dakota	0	254	1	27	0	468,946	21,531	5,909
Ohio	0	169	593	2	0	1,401,922	7,404,543	956
Oklahoma	0	249	39	199	0	1,716,478	712,679	151,004
Oregon	1	101	67	37	625	1,333,432	1,219,279	33,050
Pennsylvania	2	360	397	2	1,476	6,237,683	4,157,929	2,314
Rhode Island	0	19	2	0	0	687,805	10,184	0
South Carolina	0	123	53	7	0	1,769,072	549,626	30,628
South Dakota ^c	0	234	8	29	0	268,874	164,144	14,467
Tennessee	0	110	130	5	0	1,459,559	1,700,862	4,193
Texas	2	524	661	160	1,070	2,538,924	14,025,086	640,857
Utah	0	49	4	44	0	1,636,148	190,027	134,011
Vermont	0	48	31	2	0	90,497	193,684	722
Virginia	0	157	60	2	0	2,166,150	2,318,144	1,373
Washington	0	201	7	27	0	2,847,237	894,801	31,127
West Virginia	3	142	63	0	2,205	581,527	374,677	0
Wisconsin	0	283	279	26	0	573,346	3,250,360	20,360
Wyoming ^c	0	78	3	14	0	244,075	87,923	3,030
American Samoa ^c	2	0	0	0	5,511	0	0	0
Guam ^c	2	2	0	2	62,639	9,236	0	4,275
N. Mariana Islands ^c	0	2	0	0	0	1,118	0	0
Puerto Rico ^c	6	22	2	0	1,336,535	581,405	151,290	0
Virgin Islands ^c	1	10	1	0	19,531	58,294	50	0
Total	47	9,156	4,892	1,938	6,426,062	88,221,896	100,882,207	12,283,047

^a Less-than-secondary facilities include facilities granted or pending section 301(h) waivers from secondary treatment for discharges to marine waters.

^b No-discharge facilities do not discharge treated wastewater to the Nation's waterways. These facilities dispose of wastewater via methods such as industrial reuse, irrigation, or evaporation.

^c California, Colorado, New York, and South Dakota did not have the resources to complete updating of these data.

^d The reported population served for the District of Columbia includes populations from Maryland and Virginia that receive wastewater treatment at the Blue Plains facility in the District of Columbia.

^e Results presented in this table for American Samoa, Guam, Northern Mariana Islands, Nevada, Puerto Rico, Virgin Islands, and Wyoming are from the 1996 survey because these States and Territories did not participate in the CWNS 2000.

Table C-8 shows, by treatment level, the number of facilities that will be in operation if all documented needs are met and the population served at State level. The number of facilities and population served are shown for each level of treatment and for each State and U.S. Territory.

Table C-8. Number of Treatment Facilities and Population Served per State by Level of Treatment If All Documented Needs Are Met

State	Number of Facilities Providing Listed Effluent Level				Population Served by Listed Effluent Level			
	Less than Secondary ^a	Secondary	Greater than Secondary	No Discharge ^b	Less than Secondary ^a	Secondary	Greater than Secondary	No Discharge ^b
Alabama	0	128	135	10	0	850,278	2,330,863	18,170
Alaska	5	31	0	13	346,571	211,131	0	42,808
Arizona	0	9	32	188	0	70,767	2,729,902	3,167,290
Arkansas	0	122	229	9	0	1,071,716	1,395,634	20,200
California ^c	3	171	85	310	2,618,003	16,439,258	10,261,833	5,208,425
Colorado ^c	0	254	51	20	0	1,932,072	2,709,427	9,363
Connecticut	0	22	70	7	0	492,536	2,022,618	9,910
Delaware	0	3	11	4	0	14,294	791,212	14,179
District of Columbia ^d	0	0	1	0	0	0	1,446,672	0
Florida	0	18	88	195	0	338,758	8,846,624	8,882,498
Georgia	0	190	114	35	0	1,798,412	4,613,062	130,884
Hawaii	2	7	2	16	768,000	231,900	42,258	231,879
Idaho	0	114	9	52	0	763,978	434,133	91,246
Illinois	0	438	310	2	0	921,010	11,723,762	863
Indiana	0	123	294	0	0	460,829	4,131,955	0
Iowa	0	718	15	3	0	2,263,449	289,360	1,595
Kansas	0	338	119	204	0	613,118	2,113,860	124,192
Kentucky	0	177	107	5	0	2,099,101	1,540,928	9,883
Louisiana	0	137	230	1	0	2,587,405	1,257,299	220
Maine	12	120	4	9	11,338	780,367	25,914	16,977
Maryland	0	79	88	13	0	293,355	3,447,507	7,048
Massachusetts	1	77	45	13	32,368	3,707,305	1,119,261	56,924
Michigan	0	207	122	70	0	1,332,723	6,626,003	124,612
Minnesota	1	397	116	2	70	1,000,278	2,608,888	587
Mississippi	0	250	100	4	0	960,652	1,627,486	2,652
Missouri	0	623	83	21	0	5,198,472	668,613	4,530
Montana	0	110	9	86	0	500,250	197,470	95,212
Nebraska	0	283	36	154	0	903,404	542,114	76,484
Nevada ^c	0	45	3	4	0	292,934	285,015	365,653
New Hampshire	1	61	9	13	35,450	725,157	108,043	14,975
New Jersey	0	79	70	8	0	7,138,560	1,623,823	101,959
New Mexico	0	33	5	20	0	1,058,474	113,452	159,168

continued

Table C-8. (continued)

State	Number of Facilities Providing Listed Effluent Level				Population Served by Listed Effluent Level			
	Less than Secondary	Secondary	Greater than Secondary	No Discharge ^b	Less than Secondary ^a	Secondary	Greater than Secondary	No Discharge ^b
New York ^c	0	392	214	32	0	10,760,456	5,189,868	291,070
North Carolina	0	262	186	55	0	719,930	4,799,511	374,303
North Dakota	0	252	3	27	0	566,119	33,978	6,834
Ohio	0	175	659	3	0	1,502,828	8,676,938	1,156
Oklahoma	0	243	43	201	0	1,848,131	792,888	160,835
Oregon	1	99	76	43	164	1,747,092	1,793,014	49,482
Pennsylvania	0	500	481	5	0	6,505,193	4,978,940	4,665
Rhode Island	0	14	6	0	0	585,710	191,301	0
South Carolina	0	106	73	7	0	2,339,472	1,625,231	49,951
South Dakota ^c	0	233	9	31	0	364,006	296,726	16,541
Tennessee	0	111	133	5	0	1,808,794	2,418,761	5,516
Texas	0	551	719	175	0	3,607,777	20,948,926	907,461
Utah	0	48	7	56	0	2,040,695	466,271	256,001
Vermont	0	45	37	2	0	115,109	260,306	1,020
Virginia	0	168	77	3	0	2,720,537	4,338,245	4,797
Washington	0	203	7	30	0	4,127,624	1,092,419	61,861
West Virginia	0	305	98	0	0	983,278	494,256	0
Wisconsin	0	272	310	38	0	583,944	3,688,193	32,476
Wyoming ^c	0	77	4	14	0	355,741	130,372	5,532
American Samoa ^c	2	0	0	0	39,200	0	0	0
Guam ^c	0	4	0	2	0	112,910	0	4,545
N. Mariana Islands ^c	0	2	0	0	0	37,139	0	0
Puerto Rico ^c	0	27	3	0	0	3,176,760	321,090	0
Virgin Islands ^c	0	10	2	0	0	54,870	39,786	0
Total	27	9,463	5,739	2,221	3,851,000	103,716,058	140,251,554	21,224,596

^a Less-than-secondary facilities include facilities granted or pending section 301(h) waivers from secondary treatment for discharges to marine waters.

^b No-discharge facilities do not discharge treated wastewater to the Nation's waterways. These facilities dispose of wastewater via methods such as industrial reuse, irrigation, or evaporation.

^c California, Colorado, New York, and South Dakota did not have the resources to complete the updating of these data.

^d The reported population served for the District of Columbia includes populations from Maryland and Virginia that receive wastewater treatment at the Blue Plains facility in the District of Columbia.

^e Results presented in this table for American Samoa, Guam, Northern Mariana Islands, Nevada, Puerto Rico, Virgin Islands, and Wyoming are from the 1996 survey because these States and Territories did not participate in the CWNS 2000.

Table C-9 presents the treatment facilities represented in the CWNS 2000 as having less than secondary effluent discharges and no 301(h) waivers from secondary treatment for discharges to marine waters. The present and future effluent levels, flow design, and population receiving treatment are shown for each facility, in addition to the Category I needs for the facility. Technical data are of January 1, 2000.

Table C-9. Technical Data and Costs for Facilities With Less-Than-Secondary Effluent Levels That Do Not Have 301(h) Waivers

State	Facility Name	Present Effluent	Future Effluent	Present Flow Design (mgd)	Future Flow Design (mgd)	Present Population Receiving Treatment	Future Population Receiving Treatment	Documented Category I Needs (January 2000) \$ millions
CA	Gustine WWTP ^a	Advanced Primary	Secondary	2.8	1.18	4,044	6,435	3.1
CA	Joint WPCP ^{b, c}	Advanced Primary	Secondary	400	400	2,660,000	3,000,000	488.1
LA	Kelley Land Subdivision ^c	Advanced Primary	Secondary	0.05	0.202	3,017	3,450	0.5
MN	Barry Imhoff Tank ^d	Primary (45 mg/L < BOD)	Primary (45 mg/L < BOD)	0.01	0.01	42	70	0
OR	Dufur STP ^c	Advanced Primary	Secondary	0.043	0.043	625	825	0
PA	Nescopeck WWTP ^c	Primary (45 mg/L < BOD)	Secondary	0.11	0.25	1,377	1,150	2.2
PA	Teagarden MA ^c	Primary (45 mg/L < BOD)	None	0.01	0	99	0	0
TX	Rio Del Sol WWTP ^c	Primary (45 mg/L < BOD)	None	0.08	0	540	0	0
TX	Taft ISD - San Antonio Water System ^c	Primary (45 mg/L < BOD)	None	0.005	0	530	0	0
WV	Brushfork Area Collection System ^f	Primary (45 mg/L < BOD)	None	0.196	0	55	0	0
WV	Chattaroy PSD STP ^c	Primary (45 mg/L < BOD)	None	0.17	0	806	0	0
WV	Route 219 Area Collection System ^c	Primary (45 mg/L < BOD)	None	0.1	0	1,344	0	0
VI	St. Thomas WWTF ^g	Primary (45 mg/L < BOD)	Secondary	3.4	3.5	22,831	26,212	29.9

^a After January 2000 the facility's discharge method was converted to land application, and the facility is now considered as having secondary treatment.

^b This facility is under consent order to achieve secondary treatment by December 31, 2002.

^c This facility will increase its level of treatment.

^d State has verified the effluent levels for this facility.

^e This treatment plant is to be abandoned, and its flow will go to another facility.

^f This treatment plant has been abandoned (after January 2000), and its flow goes to another facility.

^g The plant underwent construction after January 2000 and now achieves secondary treatment.