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2002
ANNUAL REPORT
OF
DISTRICT WATER SYSTEM OPERATIONS
OF

Southern California Water Company

(NAME OF CORPORATION)

Name of District: Metropolitan

Location: Gardena, Los Angeles
(TOWN OR CITY) (COUNTY)

TO THE
PUBLIC UTILITIES COMMISSION
STATE OF CALIFORNIA
FOR THE
YEAR ENDED DECEMBER 31, 2002

REPORT MUST BE FILED NOT LATER THAN MARCH 31, 2003
(FILE TWO COPIES IF THREE RECEIVED)

SCHEDULE A -1a							
Utility Plant In Service							
Line No.	Acct. No.	Account (a)	Balance Beginning of Year (b)	Plant Additions During Year (c)	Plant Retirements During Year (d)	Other Debits or (Credits) (e)	Balance End of Year (f)
1		I. INTANGIBLE PLANT					
2	301	Organization	17,530	0			17,530
3	302	Franchise & consents (Sch. A-1b)	22,671	0			22,671
4	303	Other intangible plant	1,792,298	554,399			2,346,697
5		Total Intangible Plant	1,832,500	554,399	0	0	2,386,899
6		II. LANDED CAPITAL					
7	306	Land and land rights	476,097	0	0		476,097
8		III. SOURCE OF SUPPLY PLANT					
9	311	Structure and improvements	7,541	0		(7,541)	0
10	312	Collecting and impounding reservoirs	30,194	0			30,194
11	313	Lake, river and other intakes		0			
12	314	Springs and tunnels		0			
13	315	Wells	6,720,874	651,852	(38,999)		7,333,727
14	316	Supply mains	1,262,720	627,490			1,890,210
15	317	Other source of supply plant	34,411	0			34,411
16		Total Source of Supply Plant	8,055,740	1,279,342	(38,999)	(7,541)	9,288,542
17		IV. PUMPING PLANT					
18	321	Structures and improvements	1,785,030	38,707		7,541	1,831,278
19	322	Boiler plant equipment		0			
20	323	Other power production equipment		0			
21	324	Pumping equipment	15,227,747	3,209,284	(71,746)		18,365,286
22	325	Other pumping plant	955,379	34,109			989,488
23		Total Pumping Plant	17,968,156	3,282,100	(71,746)	7,541	21,186,052
24		V. WATER TREATMENT PLANT					
25	331	Structures and improvements	859,242	296,460			1,155,702
26	332	Water treatment equipment	3,753,256	726,066			4,479,322
27		Total Water Treatment Plant	4,612,498	1,022,526	0	0	5,635,024
28		VI. TRANSMISSION AND DIST. PLANT					
29	341	Structures and improvements	255,989	0			255,989
30	342	Reservoirs and tanks	4,250,951	584,146			4,835,098
31	343	Transmission and distribution mains	93,492,527	9,363,083	(125,451)		102,730,159
32	344	Fire mains					
33	345	Services	29,826,436	2,957,452	(65,772)	(648)	32,717,467
34	346	Meters	16,467,142	2,625,452		648	19,093,242
35	347	Meter installations		0			
36	348	Hydrants	13,752,027	1,094,912	(23,238)		14,823,700
37	349	Other transmission and distribution plant	481,333	25,549			506,882
38		Total Transmission & Distribution Plant	158,526,405	16,650,594	(214,461)	(0)	174,962,537
39		VII. GENERAL PLANT					
40		General Office Net Investment					
41	371	Structures and improvements	1,729,584	0			1,729,584
42	372	Office furniture and equipment	676,707	30,650	(69,841)		637,516
43	373	Transportation equipment	1,497,460	21,494			1,518,954
44	374	Stores equipment					
45	375	Laboratory equipment	478	0			478
46	376	Communication equipment	247,222	41,071			288,293
47	377	Power operated equipment	320,813	0			320,813
48	378	Tools, shop and garage equipment	508,439	122,262			630,701
49	379	Other general plant	20,463	0			20,463
50		Total General Plant	5,001,166	215,477	(69,841)	0	5,146,802
51		VIII. UNDISTRIBUTED ITEMS					
52	390	Other tangible property	11,895	0			11,895
53	391	Utility plant purchased	15,254,215	0			15,254,215
54	392	Utility plant sold		0			
55		Total Undistributed Items	15,266,110	0	0	0	15,266,110
56		Total Utility Plant In Service	211,738,673	23,004,439	(395,047)	(0)	234,348,064

SCHEDULE A-3a
Analysis of Entries in Depreciation Reserve - Account No.250

Line No.	Acct. No.	DEPRECIABLE PLANT (a)	Balance Beginning of Year (b)	Credits to Reserve During Year Excl. Salvage (c)	Debits to Reserve During Year Excl. Cost Removal (d)	Salvage and Cost of Removal Net (dr.) or Cr. (e)	Balance End of Year (f)
1		I. INTANGIBLE PLANT					
2	301	Organization	0	0			0
3	302	Franchise & Consents (Sch. A-1b)	(22,671)	0			(22,671)
4	303	Other Intangible Plant	(361,090)	(165,392)			(526,482)
5		Total Intangible Plant	(383,761)	(165,392)	0	0	(549,153)
6		I. SOURCE OF SUPPLY PLANT					
7	311	Structure and improvements		(184)			(184)
8	312	Collecting and impounding reservoirs	(25,623)	(912)			(26,535)
9	313	Lake, river and other intakes	0				0
10	314	Springs and tunnels	0				0
11	315	Wells	(1,050,113)	(248,672)	38,999	127,993	(1,131,793)
12	316	Supply mains	(255,247)	(25,886)			(281,133)
13	317	Other source of supply plant	(5,088)	(926)			(6,014)
14		Total Source of Supply Plant	(1,336,071)	(276,580)	38,999	127,993	(1,445,659)
15		II. PUMPING PLANT					
16	321	Structures and improvements	(475,012)	(40,236)			(515,248)
17	322	Boiler plant equipment	0				0
18	323	Other power production equipment	0				0
19	324	Pumping equipment	(3,730,961)	(597,801)	71,746	19,044	(4,237,972)
20	325	Other pumping plant	(64,091)	(28,661)			(92,752)
21		Total Pumping Plant	(4,270,064)	(666,698)	71,746	19,044	(4,845,972)
22		III. WATER TREATMENT PLANT					
23	331	Structures and improvements	(119,501)	(25,621)			(145,122)
24	332	Water treatment equipment	(920,513)	(176,458)			(1,096,971)
25		Total Water Treatment Plant	(1,040,014)	(202,079)	0	0	(1,242,093)
26		IV. TRANS AND DIST. PLANT					
27	341	Structures and improvements	(13,136)	(7,219)		0	(20,355)
28	342	Reservoirs and tanks	(489,702)	(153,884)			(643,586)
29	343	Transmission and distribution mains	(18,901,722)	(1,710,913)	125,441	67,077	(20,420,117)
30	344	Fire mains	0				0
31	345	Services	(9,201,462)	(882,863)	65,772	40,047	(9,978,506)
32	346	Meters	(5,325,806)	(780,543)		(4,653)	(6,111,002)
33	347	Meter installations	0				0
34	348	Hydrants	(3,159,797)	(273,665)	23,238	13,541	(3,396,683)
35	349	Other transmission and distribution plant	(415,375)	(20,601)			(435,976)
36		Total Transmission & Distribution Plant	(37,507,000)	(3,829,688)	214,451	116,012	(41,006,225)
37		V. GENERAL PLANT					
38	371	Structures and improvements	(245,501)	(40,126)		15,952	(269,675)
39	372	Office furniture and equipment	(306,084)	(27,542)	104,322	(98)	(229,402)
40	373	Transportation equipment	(1,398,527)	(78,723)		(2,362)	(1,479,612)
41	374	Stores equipment	0				0
42	375	Laboratory equipment	(478)				(478)
43	376	Communication equipment	(143,730)	(10,309)			(154,039)
44	377	Power operated equipment	(184,258)	(7,988)			(192,246)
45	378	Tools, shop and garage equipment	(144,168)	(22,575)			(166,743)
46	379	Other general plant	(6,464)	(753)			(7,217)
47	390	Other tangible property	(77,772)				(77,772)
48	391	Water plant purchased	(5,589,610)	(395,269)			(5,984,879)
49		Total General Plant	(8,096,592)	(583,285)	104,322	13,492	(8,562,063)
50		TOTAL	(52,633,502)	(5,723,722)	429,518	276,541	(57,651,165)

**SCHEDULE A-3
Depreciation and Amortization Reserves**

Line No.	Item (a)	Account 250 Utility Plant (b)	Acct. 251 Limited-Term Utility Investment (c)	Acct. 252 Utility Plant Acquisition Adjustments (d)	Account 253 Electric Other Property (e)
1	Balance in reserves at beginning of year (adjted)	52,249,742	573,719	0	0
2	Add: Credits to reserves during year				
3	(a) Charged to Account No. 503	5,176,552	165,392		
4	(b) Charged to Account No. 265	263,786			
5	(c) Charged to clearing accounts	117,992			
6	(d) Salvage recovered	7,119			
7	(e) All other credits				
8	Total Credits	5,565,449	165,392	0	0
9	Deduct: Debits to reserves during year				
10	(a) Book cost of property retired	429,518			
11	(b) Cost of removal	283,655			
12	(c) All other debits				
13	Total Debits	713,173	0	0	0
14	Balance in Reserves at Year End	57,102,018	739,111	0	0
15	State method of determining depreciation charges.	SLRL			
16					
17					
18	Report the depreciation claimed in your Federal Income Tax Return for the year \$				NOT AVAILABLE BY DISTRICT
19	Indicate the nature of these items and show the accounts affected by the centre entries.				

**SCHEDULE B-1
Operating Revenues**

Line No.	Acct. No.	Account (a)	Amount Current Year (b)	Amount Preceeding Year (c)	Net Change During Year Show Decrease in (Brackets) (d)
22		I. WATER SERVICE REVENUES			
23	601	Metered sales to general customers			
24	601.1	Commerical sales	69,138,214	69,020,003	118,211
25	601.2	Industrial sales	1,563,506	1,604,401	(40,895)
26	601.3	Sales to public authorities	3,977,894	3,925,765	52,129
27		Sub-total	74,679,614	74,550,169	129,445
28	602	Unmetered sales to general customers			
29	602.1	Commerical sales			
30	602.2	Industrial sales			
31	602.3	Sales to public authorities			
32		Sub-total	0	0	0
33	603	Sales to irrigation customers			
34	603.1	Metered sales	118,737	86,944	31,793
35	603.2	Unmetered sales			
36		Sub-total	118,737	86,944	31,793
37	604	Private fire protection service	746,519	726,242	20,277
38	605	Public fire protection service			
39	606	Sales to other water utilities for resale	0	0	0
40	607	Sales to governmental agencies by contracts	395,914	296,359	99,555
41	608	Interdepartmental sales			
42	609	Other sales or service	7,923	8,992	(1,069)
43		Sub-total	1,150,356	1,031,593	118,763
44		Total Water Service Revenue	75,948,707	75,668,706	280,001
45					
46		II. OTHER WATER REVENUES			
47	611	Miscellaneous service revenue	70,847	68,714	2,133
48	612	Rent from water property	0	0	0
49	613	Interdepartmental rents			
50	614	Other water revenues	(155,509)	437,705	(593,214)
51		Total Other Water Revenues	(84,662)	506,419	(591,081)
52	501	Total Operating Revenues	75,864,045	76,175,125	(311,080)

SCHEDULE B-2								
Account No. 502 - Operating Expense - Class A, B, and C Water Utilities								
Line	Acct.	Account	Class			Amount	Amount	Net Change
No.	No.	(a)	A	B	C	(b)	(c)	(d)
1		I. SOURCE OF SUPPLY EXPENSE						
2		Operation						
3	701	Operation supervision and engineering	A	B		136,951	963,139	(826,188)
4		Supply cost balancing account						
5	702	Operation labor and expenses	A	B		1,806	1,790	16
6	703	Miscellaneous expenses	A			20	1,486	(1,466)
7	704	Purchased water and assessments	A	B	C	19,883,113	20,129,398	(246,285)
8		Maintenance						
9	706	Maintenance of supervision and engineering	A	B				
10	706	Maintenance of structures and facilities			C			
11	707	Maintenance of structures and improvements	A	B				
12	708	Maintenance of collect and impound reservoirs	A			53,738	62,707	(8,969)
13	708	Maintenance of source of supply facilities		B				
14	709	Maintenance of lakes, river and other intakes	A			140	0	140
15	710	Maintenance of springs and tunnels	A					
16	711	Maintenance of wells	A			705,892	275,989	429,903
17	712	Maintenance of supply mains	A			6,942	5,320	1,622
18	713	Maintenance of other source of supply plant	A	B				
19		Total Source of Supply Expense				20,788,602	21,439,829	(651,227)
20		II. PUMPING EXPENSES						
21		Operation						
22	721	Operation supervision and engineering	A	B		603	491	112
23	721	Operation supervision, labor and expenses			C			
24	722	Power production labor and expenses	A					
25	722	Power production labor, expenses and fuel		B				
26	723	Fuel for power production	A					
27	724	Pumping labor and expenses	A	B		293,448	326,546	(33,098)
28	725	Miscellaneous expenses	A			172,691	164,214	8,477
29	726	Fuel or power purchased for pumping	A	B	C	2,381,413	2,132,965	248,448
30		Maintenance						
31	729	Maintenance supervision and engineering	A	B		42,483	50,698	(8,215)
32	729	Maintenance of structures and equipment			C			
33	730	Maintenance of structures and improvements	A	B		144,995	69,225	75,770
34	731	Maintenance of power production equipment	A	B				
35	732	Maintenance of pumping equipment	A	B		165,869	162,529	3,340
36	733	Maintenance of other pumping plant	A	B				
37		Total Pumping Expenses				3,201,502	2,906,668	294,834
38		III. WATER TREATMENT EXPENSES						
39		Operation						
40	741	Operation supervision and engineering	A	B		631	54	577
41	741	Operation supervision, labor and expenses			C			
42	742	Operation labor and expenses	A			578,130	450,707	127,423
43	743	Miscellaneous expenses	A	B				
44	744	Chemical and filtering materials	A	B		429,456	521,699	(92,243)
45		Maintenance						
46	746	Maintenance supervision and engineering	A	B		563	5,887	(5,324)
47	746	Maintenance of structures and equipment			C			
48	747	Maintenance of structures and improvements	A	B		9,070	13,890	(4,820)
49	748	Maintenance of water treatment equipment	A	B		19,777	14,493	5,284
50		Total Water Treatment Expenses				1,037,627	1,006,730	30,897
51		IV. TRANS. AND DISTRIB. EXPENSES						
52		Operation						
53	751	Operation supervision and engineering	A	B		31,230	31,025	205
54	751	Operation supervision, labor and expenses			C			
55	752	Storage facilities expenses	A			171	(384)	555
56	752	Operation labor expenses		B				
57	753	Transmission and distribution line expenses	A			28,691	20,566	8,125
58	754	Meter expenses	A			247,323	202,910	44,413
59	755	Customer installations expenses	A			1,428	14,840	(13,412)
60	756	Miscellaneous expenses	A			446,179	467,197	(21,018)

SCHEDULE B - 4
Taxes Charged During Year

Line No.	Kind of Tax (a)	Total Taxes Charged During Year (b)	DISTRIBUTION OF TAXES CHARGED			
			Water 507 (c)	Nonutility 521 (b)	Other (Electric) (c)	Capitalized (f)
1	Taxes on Real and Personal Property	1,730,131	1,730,131			
2	State Income Tax	1,192,099	1,192,099			
3	State Unemployment Insurance Tax	5,897	5,897			
4	Local Franchise Fees	898,929	898,929			
5	Federal Unemployment Insurance Tax	4,289	4,289			
6	Federal Insurance Contribution Act	242,917	242,917			
7	Federal Income Tax	4,290,304	4,290,304			
8	Pump Taxes	4,148,670	4,148,670			
9						
10						
11						
12						
13						
14		12,513,236	12,513,236	0	0	0

SCHEDULE D - 1 Sources of Supply and Water Developed									
STREAMS				FLOW IN				Annual Quantities Diverted CCF	Remarks
Line No.	Diverted Into	From Stream or Creek	Location of Diversion Point	Priority Right		Diversions			
				Claim	Capacity	Max.	Min.		
1									
2				NONE					
3									
4									
5									
WELLS							Pumping Capacity	Annual Quantities Pumped	Remarks
Line No.	At Plant	Location	Number	Dimensions	Depth to Water				
6									
7									
8			SEE SCHEDULE ATTACHED						
9									
10									
TUNNELS AND SPRINGS				FLOW IN		Annual Quantities Pumped	Remarks		
Line No.	Designation	Location	Number	Maximum	Minimum				
11									
12				NONE					
13									
14									
15									
Purchased Water for Resale									
16	Purchased from								
17	Annual quantities purchased from NONE								
18									
19									
SCHEDULE D - 2 Description of Storage Facilities									
Line No.	Type	Number	Combined Capacity	Remarks					
20	A. Collecting reservoirs								
21	Concrete								
22	Earth				SEE SCHEDULE ATTACHED				
23	Wood								
24	B. Distribution reservoirs								
25	Concrete								
26	Earth								
27	Wood								
28	C. Tanks								
29	Wood								
30	Metal								
31	Concrete								
32	Totals			0	0				

Plant Facility Index

Region: II
District: Central
System: ARTESIA
Year: ENDING DECEMBER 31, 2002

Plant	Major Facility	Year Built	Base Elev. (AF)	WELLS		PUMPS			TREATMENT			TANKS		Remarks	
				2002 Prod Elev. (AF)	Depth (ft)	Casing Diam (in)	Column Setting	Pump Make	Pump Type	Energy Type	Size (HP)	Design Capacity (gpm)	Design Head (ft)		Type
CENTRALIA	WELL 3	1957		625	880	12 & 16	140	AURORA	V.T.	ELEC	30	550	CH.FILS.T.		Well to sand trap Sand trap to Filter
	WELL 4	1958		663	881	12 & 16	152	LAYNE BOWLER	V.T.	ELEC	50	800	CH.FILS.T.		Well to Filter
	WELL 5	1992		288	1350	18	122	L & B	V.T.	ELEC	100	2000	CH.FILS.T.		Filter to Reservoir
	BOOSTER A								V.T.		40	800	CH.FILS.T.		Well to Reservoir
	BOOSTER B								V.T.		60	1000	CH.FILS.T.		Booster to System
	BOOSTER C								V.T.		50	1250	CH-Phosphate		Booster to System
	BOOSTER D								V.T.		50	1200	CH-Phosphate		Booster to System
	RESERVOIR													750	Ground Steel
ELAINE	WELL 1	1982		474	1214	18		BYRON JACKSON	V.T.	ELEC	60	704	Chlorine		Well to System with pressure regulator
HARBRITE	WELL 1	DESTROYED		0	230	10		BYRON JACKSON	Subm	ELEC	75	750	Chlorine		DESTROYED
HAWAIIAN	WELL 1	1959		712	822	12 & 16	182								Well to System with pressure regulator
	WELL 1	DESTROYED		800											#1: Abandoned 8/00
	WELL 2	DESTROYED		1000											#2: Abandoned 10/00
	WELL 4	2000		461	730	18	180	GOULD	Subm	ELEC	100	850	CH. Iron, Man,Aks		Well #4 to system thru pressure filter tanks
	(6) Filter Tanks	2000											Same	48" Each	Filters to System
	(2) Aratic Tanks	2000											Same	48" Each	Filters to System
MAIDSTONE	WELL #	1956		0	190	12	162	AURORA	V.T.	ELEC	20	200	Chlorine		Well to System DESTROY IN 2003
MASSINGER	WELL 1	1982		810	885	18 & 30	180	SIMFLO	Subm	ELEC	100	500	Chlorine		Well to System with pressure regulator
ROSETON	WELL 1	1954		746	1028	18	228	LAYNE BOWLER	V.T.	ELEC	75	790	Chlorine		Well to System with pressure regulator
SEINE	WELL 1	1959		0	205	12	120	GOULD	V.T.	ELEC	30		Chlorine		Well to System
VINE	WELL 2	STANDBY SINCE 8/01		0	800	14	180	WORTH	V.T.	ELEC	40	360	CH. S.T.		Well to Sand Trap to system with back pressure sustaining valve ON STANDBY
124th Street	WELL 1	1938		0	186		120	JOHNSTON	V.T.	ELEC	15	300			Well to System DESTROY IN 2003

# Wells	12	8
# Boosters	4	4
# Tanks	1	1

Includes: Forebays & Pressure

11664 750

4757

Treatment Type	Tank Material	Pump Make
A - Aeration	W. Steel - Welded Steel	Aur = Aurora
As-Arsenic	B. Steel - Bolted Steel	L & B = Layne Bowler
CF - Carbon Filter	R. Steel - Riveted Steel	Amer = American Turb
Ch - Chlorination	Concrete	By.J. = Byron Jackson
Chm - Chloramines	Steel	Gould = Gould
CP - Cathodic Protection	Plastic	I.R. = Ingersoll-Rand
CS - Copper Sulfate		Johns = Johnston
		J.L. = J-Line
		Peer = Peerless
		P.F. = Peabody Floway
		Sim = Simflo
		U.S. = U.S. Electric
		Whit = Whitroth
		Worth = Worth

Pump Type	Vertical Turbine	Horizontal Split Case	End Suction	Submersible	Electric Turbine	Natural Gas Engine	Submersible Unit	Variable Speed Electric
V.T.								
H.S.C.								
E.S.								
Subm.								
Elec								
Gas								
Sub								
VFD								

Plant Facility Index

Region: II
District: Central
System: BELL
Year: ENDING DECEMBER 31, 2002

Plant	Major Facility	Year Built	Base Elev. (AF)	WELLS			PUMPS			TREATMENT			TANKS			Remarks	
				Prod	Depth (ft)	Casing Diam (in)	Column Setting	Pump Type	Energy Type	Size (HP)	Design Capacity (gpm)	Design Head (ft)	Type	Size Gal	Volume (MG)		Type
BISSELL 2S13W23Y01S 2S13W23Y02S	WELL 1 ON STANDBY	1951	0	1300	12 & 16	287											Well to sand trap
	WELL 2	1991	2654	1300	16	250											Sand trap to System ON STANDBY
	BOOSTER A																Well to Ground Storage
	BOOSTER B																Storage to System
CHANSOLOR 02S13W20H02	BOOSTER C																Storage to System
	FOREBAY																Storage to System
	RESERVOIR - NO LONGER IN USE																NO LONGER IN USE
OTIS 2S13W24002S 2S13W24003S	WELL 1 STANDBY TO DESTROY	1954	0	514	12	200											Well to System ON STANDBY TO BE DESTROYED
	WELL 1 STANDBY TO DESTROY	1912	0	1360	10	245											Well to Forebay ON STANDBY TO BE DESTROYED
	WELL 2	1931	271	950	10 & 16	265											Well to Forebay
	BOOSTER A																Boosters to System
WATSON 2S12W30003S	BOOSTER B																Boosters to System
	FOREBAY																Boosters to System
	WELL 1	1945	918	490	16	320											Well to Air Stripper to Forebay
	BOOSTER A																Forebay
(4) AIR STRIPPERS	BOOSTER B																Booster to System
	FOREBAY																Booster to System
	WELL 1																Well to Boosters
	FOREBAY																Air Strippers to Forebay

	IN	SERV
# Wells	8	3
# Boosters	7	7
# Tanks	4	3

Includes: Forebays & Pressure

3843

9715

8113

Pump Type	IN	SERV
V.T. - Vertical Turbine		
H.S.C. - Horizontal Split Case		
E.S. - End Suction		
Subm. - Submersible		
Elec. Electric Turbine		
Gas Natural Gas Engine		
Sub. Submersible Unit		
VFD. Variable Speed Electric		

Pump Make
Aur = Aurora
L & B = Layne Bowler
Amer = American Turb
Peer = Peerless
B.J. = Byron Jackson
P.F. = Peabody Flowby
Gould = Gould
Sam = Smith
I.R. = Ingersoll-Rand
U.S. = U.S. Electric
Johns = Johnston
Wint = Winthrop
J.L. = J-Line
Worth = Worth

Tank Material
W. Steel - Winked Steel
B. Steel - Bolted Steel
R. Steel - Riveted Steel
Concrete
Steel
Plastic

Treatment Type
A. - Aeration
Fx. Filtration
Arz-Arsenic
Iron-Iron
CF - Carbon Filter
I.E. - Ion Exchange
Mn-Manganese
ChM - Chloramines
P.P. - Potassium Permanganate
CP - Cathodic Protection
S.T. - Sand Trap
CS - Copper Sulfate
SHP - Sodium Hexameta/Phosphate
ST/Cen-Sand Trap/Centrifugal

Plant Facility Index

Region: II
District: Central
System: BELL GARDENS
Year: ENDING DECEMBER 31, 2002

Plant	Major Facility	Year Built	Base Elev. (AF)	2002		WELLS		PUMPS			TREATMENT			TANKS			Remarks	
				Prod	Base Elev. (AF)	Depth (ft)	Casing Diam (in)	Column Setting	Pump Type	Energy Type	Size (HP)	Design Capacity (gpm)	Design Head (ft)	Type	Size Gal	Volume (MG)		Type
CLARA	WELL 1	1919	425.1	352	12	190												Well to sand trap
2S12W28N03S	WELL 1																	Sand trap to System
DARWELL	WELL 1	1937	0	290	12	202												DESTROYED 2000
2S12W29J01S	WELL 1																	
FLORENCE	DESTROYED																	
2S12W228K01	2/23/01		0															
GAGE																		
2S12W28A04S	WELL 1	1921	617.8	530	12	210												
2S12W24A02S	WELL 2	1937	722.8	595	14	210												
	BOOSTER A																	
	BOOSTER B																	
	RESERVOIR																	
	RESERVOIR																	
	RESERVOIR																	
HOFFMAN	WELL 2	1960	0	652	18	230												
S12W31B03S	INACTIVE																	
	GAC FILTER																	
PRIORITY	WELL 2	1950	347.2	650	18	280												
2S12W29M05S																		

WELL NOT EQUIPPED

# Wells	5	4
# Boosters	0	0
# Tanks	0	0

Includes: Forebays & Pressure

2113

0

3,905

Pump Type	IN	SERV
V.T. - Vertical Turbine		
H.S.C. - Horizontal Split Case		
E.S. - End Suction		
Subm. - Submersible		
Elec Electric Turbine		
Gas Natural Gas Engine		
Sub Submersible Unit		
VFD Variable Speed Electric		

Pump Make	WORTH	AMER
Aur = Aurora	L & B = Layne Bowler	
Amer = American Turb	Pear = Peerless	
B.J. = Byron Jackson	P.F. = Peabody Floway	
Gould = Gould	Sim = Simlo	
I.R. = Ingersoll-Rand	U.S. = U.S. Electric	
Johns = Johnston	Worth = Wintrath	
J.L. = J-Line	Worth = Worth	

Tank Material	STEEL	CONCRETE	PLASTIC
W. Steel - Welded Steel			
B. Steel - Bolted Steel			
R. Steel - Riveted Steel			
Concrete			
Steel			
Plastic			

Treatment Type	CHL	GAC FIL	CHL
A - Aeration			
AS-Arsenic			
CF - Carbon Filter			
Chl - Chlorination			
Chl - Chloramines			
CP - Cathodic Protection			
CS - Copper Sulfate			
Fil - Filtration			
Iron-Iron			
I.E. - Ion Exchange			
Man-Manganese			
P.P. - Potassium Permanganate			
S.T. - Sand Trap			
SH-P - Sodium HexaMetaPhosphate			
ST/Cen-Sand Trap/Centrifugal			

Plant Facility Index

Region: II
District: Central
System: CULVER CITY
Year: ENDING DECEMBER 31, 2002

Plant	Major Facility	Year Built	2002 Prod Elev. (AF)	WELLS		PUMPS				TREATMENT			TANKS		Remarks			
				Basel Elev. (AF)	Depth (ft)	Casing Diam (in)	Column Setting	Pump Make	Pump Type	Energy Type	Size (HP)	Design Capacity (gpm)	Design Head (ft)	Type		Volume (MG)	Type	Material
BALDWIN HILLS BERNARDO	RESERVOIR												CHL, CP		1000	ELEV. GROUND	STEEL	Reservoir to System
	BOOSTER A								SPLITCASE									System to Ranch Rd Zone
	BOOSTER B								SPLITCASE	GAS	1.10	1500						Engine Unit starts automatically on pressure and electric outage
CHARNOCK 02S15W11C09S	WELL 9 ON STANDBY	1957	0	500	18	202		U.S.					CHL, AER, FIL					To storage then Forebay
	WELL 10 ON STANDBY	1993	0	450	16	200		U.S.					CHL, AER, FIL					STANDBY
	BOOSTER A ON STANDBY								SPLITCASE		100	1200						To storage then Forebay
	BOOSTER B ON STANDBY								SPLITCASE		100	1500						STANDBY
	BOOSTER C ON STANDBY								SPLITCASE		100	1500						Thru Manganese filters to system
	BOOSTER D ON STANDBY								SPLITCASE		75	750						Thru Manganese filters to system
	BOOSTER D ON STANDBY								SPLITCASE		30	500						Thru Manganese filters to system
	RESERVOIR FOREBAY														1000	GROUND	Concrete	From Storage to Forebay
	BOOSTER A									SUBM		7.5	100					From Forebay to system
	BOOSTER B									V.T.		25	200					REMOVED FROM SERVICE
PERHAM	BOOSTER A								V.T.		15	150						To Zone from Forebay
	BOOSTER B								V.T.		75	750						To Zone from Forebay
	BOOSTER C																	To Zone from Forebay
	BOOSTER D FOREBAY								SPLITCASE	GAS	144	1500						Gas engine automatically starts on pressure and electric outage
SENTNEY 02S14W05C04	WELL 8 ON STANDBY	1939	0	425	16	302		B.J.										From Forebay to Perham Zone
	BOOSTER E								TURBINE		50	500		CHL, FIL				To Tanks
	BOOSTER F								TURBINE		40	800		CHL, FIL				ON STANDBY
	RESERVOIR										40	800		CHL, FIL				Boosts to System
	RESERVOIR													CHL, FIL				From well to Reservoir
	PRESSURE FILTER													CHL, FIL				From well to Reservoir
	LIMESTONE CONTACTOR													CHL, FIL				From tank to Reservoir
RANCH ROAD	BOOSTER A								SPLITCASE		15	200		CHL, FIL				From tank to Reservoir
	BOOSTER A																	To Ranch Road Zone

# Wells	3	# Boosters	13	# Tanks	6
Includes: Forebays & Pressure					

0

12,670

3100

Pump Type	Pump Make	Tank Material	Treatment Type
V.T. - Vertical Turbine	Aur = Aurora	W. Steel - Welded Steel	A. - Aeration
H.S.C. - Horizontal Split Case	L & B = Layne Bowler	B. Steel - Bolted Steel	Ans-Arsenic
E.S. - End Suction	Amer = American Turb	R. Steel - Riveted Steel	CF - Carbon Filter
Subm. - Submersible	Byron = Byron Jackson	Concrete	Chl - Chlorination
Elec Electric Turbine	Gold = Gould	Steel	Chm - Chloramines
Gas Natural Gas Engine	I.R. = Ingersoll-Rand	Plastic	CP - Cathodic Protection
Sub Submersible Unit	Johns = Johnston		CS - Copper Sulfate
VFD Variable Speed Electric	J.L. = J-Line		S.T. - Sand Trap
	Worth = Worth		ST/Can-Sand Trap/Centrifugal

Pump Make	Tank Material	Treatment Type
L & B = Layne Bowler	W. Steel - Welded Steel	A. - Aeration
Pear = Peerless	B. Steel - Bolted Steel	Ans-Arsenic
P.F. = Peabody Flowery	R. Steel - Riveted Steel	CF - Carbon Filter
Sim = Simfo	Concrete	Chl - Chlorination
U.S. = U.S. Electric	Steel	Chm - Chloramines
Wint = Winthrop	Plastic	CP - Cathodic Protection
Worth = Worth		CS - Copper Sulfate

Plant Facility Index

Region: II
District: Central
System: FLORENCE-GRAHAM
Year: ENDING DECEMBER 31, 2002

Plant	Major Facility	Year Built	Base Elev. (AF)	WELLS		Pump Make	Pump Type	Energy Type	Energy Size (HP)	Design Capacity (gpm)	Design Head (ft)	TREATMENT		TANKS		Remarks
				Depth (ft)	Casing (in)							Type	Size Gal	Volume (MG)	Type	
CONVERSE	WELL 1	1930	0	920	18	270	WORTH	SUBM	ELEC 50	800	800	CHL				ON STANDBY
	ON STANDBY	1950	1539	1564	12 & 14	280	B.J.	V.T.	ELEC 75	900		CHL				Well to storage
	BOOSTER A							V.T.	15	200		CHL				Boosts to System
	BOOSTER B							V.T.	30	800		CHL				Boosts to System
	BOOSTER C							V.T.	60	1200		CHL				Boosts to System
GOODYEAR	FOREBAY											CHL	500		STEEL	To System
	PRESSURE TANK											CHL	10			To System
2S13W21E01S	WELL 4	1930	1362	700	16	370	WORTH	V.T.	Elec. 125	800		CHL,ST/ CEN				To sand trap to System
	WELL 14											CHL,ST/ CEN				
HAMPSHIRE	DESTROYED	1925	0	1588	18 & 12							CHL,ST/ CEN				WELL NOT EQUIPPED
	172100							SPLITCASE	20	550		CHL,ST				Boosts to System
	BOOSTER A							SPLITCASE	60	1000		CHL,ST				Boosts to System
	BOOSTER B							SPLITCASE	60	1200		CHL,ST				Boosts to System
	BOOSTER C							SPLITCASE	60	1200		CHL,ST				Boosts to System
MIRAMONTE	FOREBAY											CHL,ST	250		Concrete	To System
	WELL 1	1938	35	1585	16	255	L & B	TURBINE	ELEC 75	650		CHL,ST				To sand trap to tank
	2S13W28G02S	1938	697	1100	16	281	AURORA	TURBINE	ELEC 100	800		CHL,ST				To sand trap to tank
	2S13W28G03S	1942	1091	1056	16	280	L & B	TURBINE	ELEC 100	900		CHL,ST	250	LEVATED	STEEL	To sand trap to tank
	2S13W28G01S											CHL,ST				Tank to System
NADEAU	ELEVATED TANK											CHL,ST				AIR GAP INACTIVE TO 88
	WELL 2	1932	0	318	16	161	L & B		ELEC 75	900		CHL				DESTROYED 2004
	2S13W28H01S	1956	514	700	16	240	AURORA		ELEC 75	500		CHL				To System
2S13W27E03S																

	IN	SERV
# Wells	8	6
# Boosters	7	7
# Tanks	3	3

Includes: Forebays & Pressure

11200

1010

5239

Pump Type
V.T. - Vertical Turbine
H.S.C. - Horizontal Split Case
E.S. - End Suction
Subm. - Submersible
Elec. Electric Turbine
Gas Natural Gas Engine
Sub. Submersible Unit
VFD Variable Speed Electric

Pump Make
Aur = Aurora
Amer = American Turb
B.J. = Byron Jackson
Coak = Coakli
I.R. = Ingersoll-Rand
Johns = Johnston
J.L. = J-Line
L & B = Layne Bowler
Peer = Peerless
P.F. = Peabody Flowy
Sim = Simlo
U.S. = U.S. Electric
Wirt = Wirtroth
Worth = Worth

Tank Material
W. Steel - Welded Steel
B. Steel - Bolted Steel
R. Steel - Riveted Steel
Concrete
Steel
Plastic

Treatment Type
A - Aeration
As-Arsenic
CF - Carbon Filter
CH - Chlorination
Chin - Chloramines
CP - Cathodic Protection
CS - Copper Sulfate
Ft - Filtration
Iron-Iron
IE - Ion Exchange
Man-Manganese
P.P. - Potassium Permanganate
S.T. - Sand Trap
SHP - Sodium Hexameta/Phosphate
ST/Cen-Sand Trap/Centrifugal

Plant Facility Index

Region: II
District: Central
System: HOLLYDALE
Year: ENDING DECEMBER 31, 2002

Plant	Major Facility	Year Built	Base Elev. (AF)	WELLS		Pump Make	Pump Type	PUMPS		TREATMENT		TANKS		Remarks
				Depth (ft)	Casing (In)			Column Setting	Energy Type	Size (HP)	Design Capacity (gpm)	Design Head (ft)	Type	
CENTURY	WELL 1	1957	455	750	10	L & B	SUBM	ELEC	75	750	CHL SHIP			Well to PRV to sand trap to system
COOLIDGE	WELL 2 TO BE DESTROYED	1941	0	210										NOT EQUIPPED TO BE DESTROYED 2004
	BOOSTER A						V.T.		25	250	CHL SHIP			From Reservoir to System
	BOOSTER B						V.T.		50	550	CHL SHIP			From Reservoir to System
	BOOSTER C						V.T.		125	1300	CHL SHIP			From Reservoir to System
	BOOSTER D						V.T.		125	1300	CHL SHIP			From Reservoir to System
	RESERVOIR										CP	750	GROUND W. STEEL	To system
McKINLEY	WELL 2 INACTIVE	1937	0	185	12	103 WINTROATH	ELEC		20	450	S.T.			INACTIVE TO BE DESTROYED 2004
	WELL 3	1943	71	700	14	200 US MOTORS	ELEC		100	1000	CHL			Well to sand trap to system with variable speed VFD

526

5600

750

	IN	SERV
# Wells:	4	2
# Boosters:	4	4
# Tanks:	1	1

Includes: Forebays & Pressure

Pump Type
V.T. - Vertical Turbine
H.S.C. - Horizontal Split Case
E.S. - End Suction
Subm. - Submersible
Elec. - Electric Turbine
Gas - Natural Gas Engine
Sub - Submersible Unit
VFD - Variable Speed Electric

Pump Make
Aur = Aurora
Amer = American Turb
B.J. = Byron Jackson
Gold = Gould
I.R. = Ingersoll-Rand
Johns = Johnston
J.L. = J-Line
L & B = Laynie Bowler
Peer = Peerless
P.F. = Peabody Flowley
Sim = Simflo
U.S. = U.S. Electric
Wint = Wintroath
Worth = Worth

Tank Material
W. Steel - Welded Steel
B. Steel - Bolted Steel
R. Steel - Riveted Steel
Concrete
Steel
Plastic

Treatment Type
A - Aeration
As-Arsenic
CF - Carbon Filter
Ch - Chlorination
ChM - Chromanines
CP - Cathodic Protection
CS - Copper Sulfate
Flt - Filtration
Iron-Iron
I.E. - Ion Exchange
Min-Manganese
P.P. - Potassium Permanganate
S.T. - Sand Trap
SHIP - Sodium HexametaPhosphate
ST/Can-Sand Trap/Centrifugal

Plant Facility Index

Region: II
District: Central
System: NORWALK
Year: ENDING DECEMBER 31, 2002

Plant	Major Facility	Year Built	Base Elev. (AF)	WELLS		Pump Make	Pump Type	PUMPS		TREATMENT		TANKS		Remarks
				2002 Prod (AF)	Depth (ft)			Casing (in)	Column (ft)	Energy Type	Size (HP)	Design Capacity (gpm)	Design Head (ft)	
DACE														
3S11W18G05	WELL 1	1955		787	410	12 & 16	180	L & B	ELEC	100	680		CHL,S.T.	Well thru sand trap thru GAC Pressure Filter to System
IMPERIAL														
3S12W13A03	WELL 1	1918		262	1000	12	200	WINTROATH	V.T.		800		CHL,C.F.	Well thru storage thru GAC pressure filter
3S12W13A02	WELL 2	1948		910	399	12	165	WORTH	ELEC	30	555		CHL,C.F.	Well thru storage thru GAC pressure filter
3S12W13A04	WELL 3	1953		79	890	18	260	WINTROATH	ELEC	75	800		CHL,C.F.	Well to Forebay
	BOOSTER A								V.T.	30	850		CHL,C.F.	Boosters to System
	BOOSTER B								V.T.	50	900		CHL,C.F.	Boosters to System
	BOOSTER C								V.T.	50	1000		CHL,SHUP	Boosters to System
	FOREBAY											1500	CHL,SHUP	Thru Pressure filter to system
MEYER														
	WELL 1 INACTIVE	1917	0	680	12	300		LAYNE BOWLER	ELEC	40	400		A,CHL,CP	WELL INACTIVE DESTROYED ZONE
	BOOSTER A								V.T.	40	900		A,CHL,CP	Boosters to System
	BOOSTER B								V.T.	40	900		A,CHL,CP	Boosters to System
	RESERVOIR											750	A,CHL,CP	Storage filled from System
PIONEER														
3S11W07E01	WELL 1	1942	817	237	14	180		BYRON JACKSON	SUBM	ELEC	600		CHL,S.T,CF	Well to GAC Filter, Filter to System
3S11W07E02	WELL 2 INACTIVE	1949	0	565	14	210		LAYNE BOWLER	SUBM	ELEC	600		CHL,S.T,CF	Well to GAC Filter, Filter to System
3S12W12A02	WELL 3 ON STANDBY	1944	0	252	14	191		BYRON JACKSON	SUBM	ELEC	600		CHL,S.T,GEN	Well to Sand Trap then to System
STUBBAKER														
3S12W02R01	WELL 2	1927	500	391	12	200		LAYNE BOWLER		ELEC	40	375	CHL	ON STANDBY

# Wells	9
# Boosters	5
# Tanks	2

Includes: Forebays & Pressure

3355

9,570

2250

Pump Type	IN	SERV
V.T. - Vertical Turbine		6
H.S.C. - Horizontal Split Case		5
E.S. - End Suction		2
Subm. - Submersible		
Elec - Electric Turbine		
Gas - Natural Gas Engine		
Sub - Submersible Unit		
VFD - Variable Speed Electric		

Pump Make	W	B	R	C	S	P	U	J	L
Aur = Aurora									
Amer = American Turb									
B.J. = Byron-Jackson									
Gould = Gould									
I.R. = Ingersoll-Rand									
Johns = Johnson									
J.L. = J-Line									
L & B = Layne Bowler									
Pear = Peerless									
P.F. = Peabody Floway									
Sim = Simflo									
U.S. = U.S. Electric									
Wint = Wintroth									
Worth = Worth									

Tank Material	W	B	R	C	S	P	U	J	L
W. Steel - Welded Steel									
B. Steel - Bolted Steel									
R. Steel - Riveted Steel									
Concrete									
Steel									
Plastic									

Treatment Type	A	As	CF	CH	ChM	CP	CS
A - Aeration							
As - Arsenic							
CF - Carbon Filter							
CH - Chlorination							
ChM - Chloramines							
CP - Cathodic Protection							
CS - Copper Sulfate							
Flt - Filtration							
Fe - Iron							
I.E. - Ion Exchange							
Mn - Manganese							
P.P. - Potassium Permanganate							
S.T. - Sand Trap							
SHUP - Sodium HexametaPhosphate							
ST/Can-Sand Trap/Can/Ingr							

Plant Facility Index

Region: 11
District: Central
System: WILLOWBROOK
Year: ENDING DECEMBER 31, 2002

Plant	Major Facility	Year Built	2002 Prod (AF)	WELLS		Pump Make	Pump Type	Energy Type	PUMPS Size (HP)	Design Capacity (gpm)	Design Head (ft)	TREATMENT		TANKS		Remarks
				Depth (ft)	Casing Diam (in)							Type	Size Gal	Type	Material	
WILLOWBROOK 3S13W10L02S	WELL 1	1928	792	321	14	210	L & B	TURB	ELEC	75	8-40					Well to Storage
WILLOWBROOK 3S13W10L03S	WELL 2															
ABANDONED 1984	WELL 3	1984	355	352	16	230	AURORA	SUBM	ELEC	75	1000	CHL				ABANDONED 1984 Well to Storage
	BOOSTER A							V.T.		15	280	CHL, CP				Boosters to System based on pressure
	BOOSTER B							V.T.		40	280	CHL, CP				Boosters to System based on pressure
	BOOSTER C							V.T.		30	800	CHL, CP				Boosters to System based on pressure
	BOOSTER D							V.T.		75	1400	CHL, CP				Boosters to System based on pressure
	RESERVOIR												400 GROUND	STEEL		Storage to system
	RESERVOIR												400 GROUND	STEEL		Storage to system
	PRESSURE TANK												1000	HYDRO		

1148

4,360

1880

	IN	SERV
# Wells	2	2
# Boosters	4	4
# Tanks	3	3

Includes: Forebays & Pressure

Treatment Type	Tank Material
A - Aeration	W. Steel - Welded Steel
Ar-Arsenic	B. Steel - Bolted Steel
CF - Carbon Filter	R. Steel - Riveted Steel
ChM - Chloramines	Concrete
Chl - Chlorination	Steel
CP - Cathodic Protection	Plastic
CS - Copper Sulfate	
Fi - Filtration	
Fe - Iron	
I.E. - Ion Exchange	
Mn - Manganese	
P.P. - Potassium Permanganate	
S.T. - Sand Trap	
SH/P - Sodium Hexametaphosphate	
ST/Cen-Sand Trap/Centrifugal	

Pump Make
Aurora
American Turb
Byron Jackson
Cauld
Ingersoll-Rand
Johnston
J-Line
L & B
Peerless
P.F. = Peabody Flowley
Sim = Sirmo
U.S. = U.S. Electric
Wint = Wintrol
Worth = Worth
Layne Bowler

Pump Type
V.T. - Vertical Turbine
H.S.C. - Horizontal Split Case
E.S. - End Suction
Subm. - Submersible
Elec - Electric Turbine
Gas - Natural Gas Engine
Sub - Submersible Unit
VFD - Variable Speed Electric

Plant Facility Index

Region: IL
District: SOUTHWEST
System: SOUTHWEST
Year: ENDING DECEMBER 31, 2002

Plant	Major Facility	Year Built	Base Elev.	2002 Prod (AF)	WELLS		PUMPS			TREATMENT		TANKS		Remarks	
					Depth (ft)	Casing (In) / Diam (In) / Setting	Pump Type	Energy Type	Size (HP)	Design Capacity (gpm) / Head (ft)	Type	Size Gal	Volume (MG)		Type
ATHENS	WELL 2 NOT EQUIPPED	1945		0	400	18								WELL NOT EQUIPPED TO BE DESTROYED 2004	
	BOOSTER A							V.T.	20	220	CHL, CP			Boosters to System	
	BOOSTER B							V.T.	40	400	CHL, CP			Boosters to System	
	BOOSTER C							V.T.	60	700	CHL, CP			Boosters to System	
	BOOSTER D RESERVOIR							V.T.	60	700	CHL, CP	1500	STEEL	Boosters to System Filled by System PRESSURE TANK NOT USED	
PRESSURE TANK - NOT USED															
BALLONA 3S14W13B02	WELL 3 INACTIVE	1952		0	565	18	340	US MOTORS	ELEC	40	800	CHL			INACTIVE TO BE DESTROYED 2004
	WELL 4	2001		1756	390	18	315	LAYNE BOWLER	ELEC	200	1000	CHL			Well to System Boosters to System INACTIVE
BELHAVEN 3S13W04N03	BOOSTER D FOREBAY INACTIVE							SPLITCASE		60	800	CHL	54	STEEL	Filled from well INACTIVE
	WELL 1	1947		660	1207	18	300	US MOTORS	ELEC	100	600	CHL			Well to Forebay
	WELL 3	1958		752	900	12 & 16	290	LAYNE BOWLER	ELEC	75	950	CHL			Well to Forebay
BUDLONG	BOOSTER A							SPLITCASE		75	800	CHL, CP			Boosters to System
	BOOSTER B FOREBAY							SPLITCASE		100	1750	CHL, CP	150	STEEL	Boosters to System Forebay to Boosters
	BOOSTER C							V.T.	100	2000				Boosters to Normandie Zone	
CHICAGO 3S14W22K015	BOOSTER D RESERVOIR							V.T.	75	1450				CONCRETE	Boosters to Normandie Zone
	RESERVOIR													CONCRETE	
	WELL 1 INACTIVE TO BE DESTROYED	1946		0	388	18	180	PEERLESS	ELEC	40					INACTIVE - TO BE DESTROYED 2003 DESTROYED: 4/98
CHADRON	WELL 1 DESTROYED 1988														DESTROYED: 4/98
	WELL 2 DESTROYED 1988														DESTROYED: 4/98
	BOOSTER A							SPLITCASE		100	1000	CHLM			Boosters to System
	BOOSTER B							SPLITCASE		100	1000	CHLM			Boosters to System
COMPTON DOTY 3S14W21M01	BOOSTER C RESERVOIR							V.T.	60	1200	CHLM	1500	GROUND	STEEL	Boosters to System
	WELL 1 INACTIVE TO BE DESTROYED	1928		0	439	10	300	SIMFLO	ELEC	60	500	CHL			Well to System INACTIVE TO BE DESTROYED 2004
	WELL 1	1947		508	502	18	189	BYRON JACKSON	ELEC	75	675	CHL			Well to System

Region: II
District: SOUTHWEST
System: SOUTHWEST
Year: ENDING DECEMBER 31, 2002

Plant	Major Facility	Year Built	Base Elev.	2002 Prod (AF)	WELLS		PUMPS				TREATMENT			TANKS		Remarks
					Depth (ft)	Casing Diam (in)	Column Setting	Pump Make	Pump Type	Energy Type	Size (HP)	Design Capacity (gpm)	Design Head (ft)	Type	Volume (MG)	
DALTON 3S14W25P04	WELL 1	1948		749	700	18	240	LAYNE		ELEC	100	800	CHL, S.T.			Well to Tank thru Sand Trap Boosters to System
	BOOSTER A							BOWLER	V.T.		60	1000	CHL, S.T.			Boosters to System
	BOOSTER B RESERVOIR								V.T.		75	1500	CHL, S.T.	2000	GROUND CONCRETE	Boosters to System
DOTY 3S14W15P01S 3S14W15P02S	WELL 1	1997		1080	700	18	140	GOULDS		ELEC	100	1000	CHLM			Well to Aerator
	WELL 2	1988		974	470	18	151	GOULDS		ELEC	100	1000	CHLM			Well to Aerator
	BOOSTER A								V.T.		100	1240	CHLM			Boosters to System
	BOOSTER B RESERVOIR DESTROYED 1988								V.T.		100	1250	CHLM			Boosters to System
EL SEGUNDO WESTERN BE 3S14W14A01	WELL 1			0	395	14	200	GOULDS	SUBM		80	400	CHL			PUMP & POWER DISCONNECTED - INACTIVE - TO BE DESTROYED
	BOOSTER A								SPLITCASE		80	1000	CP			Boosters to System from Storage
	BOOSTER B RESERVOIR								SPLITCASE		125	2500	CP	1500	GROUND STEEL	Boosters to System from Storage Filled From System
GOLDMEDAL 3S14W15B03	WELL 1	1997		1887	700	16	185	US MOTORS		ELEC	100	1000	FIL AER, CHLM			Well to Reservoir thru Filter & Aerator
	BOOSTER A								V.T.		40	920	CHLM			Boosts from Storage to System
	BOOSTER B								V.T.		80	1350	CHLM			Boosts from Storage to System
	BOOSTER C RESERVOIR								V.T.		100	1500	CHLM			Boosts from Storage to System Reservoir to Boosters
OCEANGATE 3S14W13J03	WELL 2 DESTROYED 2001 RESERVOIR - NOT USED	UNK		0	UNK	UNK	UNK									DESTROYED 12/27/01 TANK NOT USED
	WELL 3 DESTROYED 4/2002	UNK		0	620	16	300	FLOWAY		ELEC	40	425	CHLM			DESTROYED 2002
3S14W13J04	WELL 4 DESTROYED 4/2002	1953		0	618	16	280	AMERICAN		ELEC	50	550	CHLM			DESTROYED 2002
	WELL 5	1998		1168	730	18	280	US MOTORS		ELEC	150	1000	CHLM			Well to Forebay, then to System
3S14W13J01S	WELL 6	2001		1370	590	18	300	US MOTORS		ELEC	150	600	CHLM			Well to forebay, then to System
	BOOSTER A								SPLITCASE		25	800	CHLM			Boosters to System
	BOOSTER B FOREBAY								SPLITCASE		40	800	CHLM	190	FOREBAY CONCRETE	Boosters to System Forebay to System

Region: II
 District: SOUTHWEST
 System: SOUTHWEST
 Year: ENDING DECEMBER 31, 2002

Plant	Major Facility	Year Built	2002 Prod (AF)	WELLS		Pump Make	Pump Type	Energy Type	Size (HP)	Design Capacity (gpm)	Design Head (ft)	TREATMENT		TANKS		Remarks		
				Depth (ft)	Casing Dia (in)							Column Setting	Type	Size Gal	Volume (MG)		Type	Material
TRURO 3S14W04N010	WELL 1		0															
	DESTROYED 1988																DESTROYED 1988	
	WELL 2		0															
	DESTROYED 1988																DESTROYED 1988	
	WELL 3		0															
	DESTROYED 1988																DESTROYED 1988	
	WELL 4	1988	984	18		US MOTORS	SUBM		75	750		A.F.CHLM					Well to Aerator	
	DESTROYED 1988																DESTROYED 1988	
	BOOSTER A - DESTROYED 1988																	DESTROYED 1988
	BOOSTER B - DESTROYED 1988																	DESTROYED 1988
WADSWORTH	BOOSTER C - DESTROYED 1988						SPLITCASE		30	700		A.F.CHLM					Boosters to Filter, then to System	
	BOOSTER D - DESTROYED 1988						SPLITCASE		50	1000		A.F.CHLM					Aerator to Forebay	
	BOOSTER E						V.T.		100	1800		A.F.CHLM					DESTROYED 1988	
	AERATOR						V.T.		200	2500		A.F.CHLM					DESTROYED 1988	
	FOREBAY - DESTROYED 1988																Boosters from Storage to System	
	FOREBAY - DESTROYED 1988																Boosters from Storage to System	
	BOOSTER A						SPLITCASE		50	850		CP					System	
	BOOSTER B						SPLITCASE		50	1200		CP					Boosters from Storage to System	
	BOOSTER C						SPLITCASE		30	400		CP					Boosters from Storage to System	
	RESERVOIR																	System
YUKON 3S14W03K010	WELL 1		0	852	18	383												
	DESTROYED 2001	1941				LAYNE BOWLER		ELEC	40	700		A.G.HLM, CS					DESTROYED 2001	
	WELL 2		0	756	18	320												
	DESTROYED 2001	1944				AMERICAN		ELEC	60	550		A.G.HLM, CS					DESTROYED 2001	
	WELL 4	2001	1737	600	18													
	DESTROYED 2001	2001	851	600	18												Well to Aerator, then Storage	
	WELL 5	2001																
	DESTROYED 2001	2001															Well to Aerator, then Storage	
	BOOSTER A						V.T.		40	600		A.G.HLM, CS					Boosters to System	
	BOOSTER B						V.T.		50	780		A.G.HLM, CS					Boosters to System	
YUKON 3S14W03K020	BOOSTER C						V.T.		60	950		A.G.HLM, CS					Boosters to System	
	BOOSTER D						V.T.		75	1150		A.G.HLM, CS					Boosters to System	
	AERATOR	DESTROYED 2001															Boosters to System	
	RESERVOIR																DESTROYED 2001	

Region: II
 District: SOUTHWEST
 System: SOUTHWEST
 Year: ENDING DECEMBER 31, 2002

Plant	Major Facility	Year Built	Base Elev.	2002 Prod		WELLS		PUMPS			TREATMENT			TANKS		Remarks		
				(AF)	(MGD)	Depth (ft)	Casing Diam (in)	Column Setting	Pump Make	Pump Type	Energy Type	Size (HP)	Design Capacity (gpm)	Design Head (ft)	Type		Size (Gal)	Volume (MG)
128th STREET 3S14W14D01	WELL 1 DESTROYED 3/15/02	1956		0	917	14 & 16	240	SIMFLO		ELEC	80	250	CHL					INACTIVE - DESTROYED 2002
157th STREET 3S14W22O15	WELL 2 WELL 1 INACTIVE	2002 1944		924 0	270 430	18 16	222	GOULDS SIMFLO	V.T. SUBM	ELEC ELEC	150 40	300	CHL CHL					INACTIVE TO BE DESTROYED 2003

IN SERV
 # Wells 20 14
 # Boosters 31 30
 # Tanks 12 12
 Includes: Forebays & Pressure

14,996

53,490

13,467

Pump Type	Pump Make	Wells	Pumps	Treatment	Tanks
V.T. - Vertical Turbine	Aurora	0	1	0	0
H.S.C. - Horizontal Split Case	Amer	0	0	0	0
E.S. - End Suction	Byron Jackson	0	0	0	0
Subm. - Submersible	Gould	0	0	0	0
Elec Electric Turbine	Ingersoll-Rand	0	0	0	0
Gas Natural Gas Engine	Johnston	0	0	0	0
Sub Submersible Unit	J-Line	0	0	0	0
VFD Variable Speed Electric	L & B	0	0	0	0
	Leyne Bowler	0	0	0	0
	Peerless	0	0	0	0
	Peabody Flowby	0	0	0	0
	Sim	0	0	0	0
	U.S. = U.S. Electric	0	0	0	0
	Wirth = Wirth	0	0	0	0
	Worth = Worth	0	0	0	0

Tank Material	Treatment Type
W. Steel - Welded Steel	Flt. Filtration
B. Steel - Bolted Steel	Iron-Iron
R. Steel - Riveted Steel	I.E. - Ion Exchange
Concrete	Man-Manganese
Steel	Chl - Chlorination
Plastic	Chlm - Chloramines
	P.P. - Potassium Permanganate
	C.P. - Cathodic Protection
	S.T. - Sand Trap
	SHP - Sodium Hexameta/Phosphate
	ST/Can-Sand Trap/Centrifugal

Pump Make	Tank Material
Aurora	W. Steel - Welded Steel
American Turb	B. Steel - Bolted Steel
Byron Jackson	R. Steel - Riveted Steel
Gould	Concrete
Ingersoll-Rand	Steel
Johnston	Plastic
J-Line	
L & B	
Leyne Bowler	
Peerless	
Peabody Flowby	
Sim	
U.S. = U.S. Electric	
Wirth = Wirth	
Worth = Worth	

SCHEDULE D - 3												
Description of Transmission and Distribution Facilities												
A. LENGTH OF DITCHES, FLUMES AND LINED CONDUITS IN MILES FOR VARIOUS CAPACITIES												
Capacities In Cubic Feet per Second or Miner's Inch												
Line No.		0 to 5	5 to 10	11 to 20	21 to 30	31 to 40	41 to 50	51 to 75	76 to 100			
1	Ditch											
2	Flume											
3	Lined conduit											
4												
5	Totals	0	0	0	0	0	0	0	0			
A. LENGTH OF DITCHES, FLUMES AND LINED CONDUITS IN MILES FOR VARIOUS CAPACITIES - concluded												
Capacities In Cubic Feet per Second or Miner's Inch												
Line No.		101 to 200	501 to 750	301 to 200	401 to 500	501 to 750	751 to 1000	Over 1000	TOTAL			
6	Ditch											
7	Flume											
8	Lined conduit											
9												
10	Totals	0	0	0	0	0	0	0	0			
B. FOOTAGE OF PIPE BY INSIDE DIAMETERS IN INCHES - NOT INCLUDING SERVICE PIPING												
Line No.		3/4"	1	1 1/2	2	2 1/4"	2 1/2	3	4	5	6	8
11	Cast iron				8,139			2,125	702,692		825,125	494,888
12	Ductile iron								126,407		11,463	195,719
13	Concrete											
14	Copper		1,178		3,248							
15	Riveted steel											
16	Standard steel	205	838	5,249	85,804	3,901	1,599	27,238	82,575	162	41,355	30,178
17	Screw or welded casing											
18	Cement - asbestos				789			1,240	152,587	133	535,837	522,293
19	Polyvinylchloride				785				8,749		4,838	101,705
20	Wood											
21	Plastic		43		1,071				2,880		19,985	83,418
22	Other								101,881			
23	Totals	205	2,059	5,249	99,916	3,901	1,599	30,604	1,177,731	295	1,438,603	1,407,999
B. FOOTAGE OF PIPE BY INSIDE DIAMETERS IN INCHES - NOT INCLUDING SERVICE PIPING - concluded												
Line No.		4 1/2"	10	12	14	5 1/2"	16	17	18	22	24	TOTAL
24	Cast iron		55,320	88,880	12,740		2,585					2,182,074
25	Ductile iron		2,565	145,850	530		3,509		443			486,486
26	Concrete											0
27	Copper											4,428
28	Riveted steel											0
29	Standard steel	3,380	4,985	30,322	20,841	10,634	39,400	4,328	2,218	370	10	385,493
30	Screw or welded casing											0
31	Cement - asbestos		112,370	185,001	9,567		7,340					1,527,157
32	Polyvinylchloride		13,680	43,717	778		1,757					175,969
33	Wood											0
34	Plastic		185	15,909								103,489
35	Other											101,881
36	Unclassified										(1,733)	(1,733)
37	Totals	3,380	189,085	509,459	44,256	10,634	54,591	4,328	2,661	370	(1,723)	4,985,202

SCHEDULE D - 4
Number of Active Service Connections

Classification	Metered - Dec. 31		Flat Rate - Dec. 31	
	Prior Year	Current Year	Prior Year	Current Year
Commercial	96,180	96,618		
Industrial	253	257		
Public authorities	689	681		
Irrigation	47	61		
Other	44	49		
Sub-total	97,213	97,666	0	0
Private fire connections			1,603	1,615
Public fire hydrants				
Total	97,213	97,666	1,603	1,615

SCHEDULE D - 5
Number of Meters and Services on Pipe Systems at End of Year

Size	Meters	Services	
5/8 x 3/4 - in.	138,821		
3/4 - in.	799	77,810	
1 - in.	22,294	24,387	
1 1/2 - in.	8,823	480	
2 - in.	12,566	9,224	
3 - in.	398	59	
4 - in.	122	531	
6 - in.	90	368	
8 - in.	50	419	
10 - in.	8	39	
12 - in.		18	
Unclassified	1,665	1,407	
Total	186,636	114,742	

A. Number of meter tested during year as prescribed in Section VI of general order # 103:

1 New, after being received: 0

2 Used, before repair: 0

3 Used, after repair: 0

4 Found fast, requiring billing adj. 0

B. Number of meters in service since last test:

1 Ten years or less: 0

2 More than 10, but less than 15 yr.: 0

3 More than 15 years: 0

SCHEDULE D - 6
Meter Testing Data

SCHEDULE D - 7
Water delivered to Metered Customers by Months and Years in CCF units

of Service	Classification							Subtotal	
	January	February	March	April	May	June			
Commercial	1,985,625	1,929,214	1,961,205	1,998,557	2,133,806	2,396,007	12,404,414		
Industrial	58,585	53,579	70,993	52,419	67,279	65,129	367,984		
Public Authorities	70,785	88,994	102,257	117,883	159,482	178,054	717,455		
Irrigation	2,339	1,514	2,707	3,914	3,709	4,093	18,276		
Other	6,787	10,795	13,237	17,496	38,426	47,306	134,047		
Totals	2,124,121	2,084,096	2,150,399	2,190,269	2,402,702	2,690,689	13,642,176		

of Service	Classification							Subtotal	Subtotal	Prior Year
	July	August	September	October	November	December				
Commercial	2,471,339	2,520,913	2,578,757	2,404,136	2,164,969	2,154,239	14,294,353	26,698,767	26,129,785	
Industrial	66,661	74,025	45,754	97,821	44,567	33,584	362,412	730,396	728,138	
Public Authorities	229,083	192,562	238,095	160,823	124,487	88,821	1,033,871	1,751,326	1,660,640	
Irrigation	5,007	5,254	4,387	3,018	3,718	3,454	24,838	43,114	30,812	
Other	45,158	51,986	47,758	38,639	24,769	16,628	224,938	358,985	247,000	
Totals	2,817,248	2,844,740	2,914,751	2,704,437	2,362,510	2,296,726	15,940,412	29,582,588	28,796,376	

1 Quantity units to be in hundred of cubic feet, thousands of gallons, acre-feet, or miner inch-Total Acres Impigated Total Population Served 397,124

End of Year Balance in Selected Accounts

Indicate the end of year balance shown in the district's accounting records for the following accounts:

131	Materials and supplies on hand	\$	<u>232,446</u>
100.3	Construction work in progress	\$	<u>4,087,646</u>
241	Advances for construction	\$	<u>9,094,095</u>
285	Contribution in aid of construction	\$	<u>13,569,569</u>

Name of District Manager: Tom Cherry

Address: 12035 Burke Street; Santa Fe Springs, CA 90670

Telephone: 562/907-9200

This report sets forth book or allocated figures and other data pertaining to the **Metropolitan** district for the period from **January 1, 2002** to **December 31, 2002**.

Gleady Farrow
Signature

Controller
Title

4/29/03
Date