### **REUSE END USERS**

List for each source for reuse:

PAGE S-13 EXHIBIT Q-7

	<del></del>		EXTIDIT Q 7
System Name	System Number		Gallons Used
Amelia Island	1518	Amelia Links, Long Pointe & Summer Beach Golf Courses	229,551,000
Buenaventura Lakes	785	Buenaventura Lakes Golf Course	50,522,900
Deltona Lakes	1806	Deltona Hills Golf Course	152,686,000
20,000	1000	Residential Reuse	6,203,190
Florida Central Commerce Pa	340	Green space irrigation system	14,944,000
Lehigh	2901	Lehigh Arces North Golf Course	94,045,000
		Marco Island Golf Course	133,513,600
		Marco Shores Golf Course	119,083,100
Marco Island	2601	Hideaway Beach Golf Course	62,514,500
		Condo Associations & Residential use	60,969,300
		City of Marco - Medians	949,500
Palm Coast	3001	GrandHaven Golf Course & Residential common areas.	171,526,000
Tann Oddst	3001	Hammock Dunes Golf Course & Residential common areas.	488,260,900
Point O Woods	987	Point O' Woods County Club Golf Course	7,699,000
Spring Hill	2701	Timber Pines Golf Course	524,276,000
Spruce Creek CC	1120	Spruce Creek County Club Golf Course	1,241,600

YEAR OF REPORT December 31, 2000

#### **PUMPING AND PURCHASED WATER STATISTICS**

	14/4 TED	FINIOLIED	WATER USED	TOTAL WATER	
	WATER	FINISHED	FOR LINE	PUMPED AND	WATER SOLD
	PURCHASED	WATER PUMPED	FLUSHING,	PURCHASED	ТО
	FOR RESALE	FROM WELLS	FIGHTING	(Omit 000's)	CUSTOMERS
MONTH	(Omit 000's)	(Omit 000's)	FIRES, ETC.	(b) + (c)-(d)]	(Omit 000's)
(a)	(b)	(c)	(d)	(e)	(f)
January	0	37,903,000	18,890	37,884,110	36,206,085
February	0	37,078,000	200,210	36,877,790	34,725,992
March	0	46,265,000	12,940	46,252,060	41,282,803
April	0	45,955,000	13,780	45,941,220	44,967,538
May	0	56,144,000	17,450	56,126,550	32,615,534
June	0	57,070,000	30,440	57,039,560	57,667,742
July	0	60,949,000	48,930	60,900,070	58,590,384
August	0	55,751,000	758,420	54,992,580	57,252,127
September	0	42,916,000	16,920	42,899,080	51,381,597
October	0	49,266,000	741,860	48,524,140	43,954,209
November	0	45,130,000	12,850	45,117,150	45,103,503
December	0	39,373,000	934,310	38,438,690	44,313,583
Total for year	o	573,800,000	2,807,000	570,993,000	548,061,097

If water is purchased for r	esale, indicate the follow	ring:
Vendor	N/A	
Point of delivery	N/A	
If weter is sold to other w	atar utilitiaa far radiotribu	ution, list names of such utilities below:
	ater utilities for redistribt	ntion, list names of such utilities below:
N/A		
<u> </u>		

	CAPACITY	GALLONS	
	OF WELL	PER DAY	TYPE OF
List for each source of supply:	gpm	FROM SOURCE	SOURCE
Well # 1	1,400	2,016,000	Deep Well
Well # 2	1,400	2,016,000	Deep Well

UTILITY NAME: FLORIDA WATER SERVICES
SYSTEM NAME / COUNTY: AMELIA ISLAND / NASSAU #1518

YEAR OF REPORT
December 31, 2000

#### WATER TREATMENT PLANT INFORMATION

Provide a separate sheet for each water treatment facility

Capacity of Plant (GPD):	* 2,016,000	(Reliable Max Day Capacity)
Location of measurement		
(I.e. WellHead, Storage Tank):	WellHead and/or D	istribution
Type of treatment (reverse osmosis,		
(sedimentation, chemical, aerated, etc.)	Chlorination and A	eration
	LIME TREATMENT	
	LIME TREATMENT	
Unit rating (i.e., GPM, pounds	LIME TREATMENT  Manufacturer:	
Unit rating (i.e., GPM, pounds		
Unit rating (i.e., GPM, pounds per gallon): N/A	Manufacturer:	
Unit rating (i.e., GPM, pounds	Manufacturer:	

<sup>\*</sup> Wells

#### CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL UNITS

METER SIZE	TYPE OF METER*	EQUIVALENT FACTOR	NUMBER OF METERS	TOTAL NUMBER  OF METER  EQUIVALENTS  (c x d)
(a)	(b)	(c)	(d) **	(e)
5/8"	Displacement	1.0	2,205	2,205
3/4"	Displacement	1.5	80	120
1"	Displacement	2.5	68	170
1 1/2"	Displacement or Turbine	5.0	24	120
2"	Displacement, Compound or Turbine	8.0	63	504
3"	Displacement	15.0	0	0
3"	Compound	16.0	0	0
3"	Turbine	17.5	37	648
4"	Displacement or Compound	25.0	0	0
4"	Turbine	30.0	10	300
6"	Displacement or Compound	50.0	0	0
6"	Turbine	62.5	2	125
8"	Compound	80.0	0	0
8"	Turbine	90.0	0	0
10"	Compound	115.0	0	0
10"	Turbine	145.0	0	0
12"	Turbine	215.0	0	0
	Total Water System Meter Equivalents		2,489	4,192

#### CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL CONNECTION

Provide a calculation used to determine the value of one water equivalent residential connection (ERC). Use one of the following methods:

- (a) If actual flow data are available from the preceding 12 months, divide the total annual single family residence (SFR) gallons sold by the average number of single family residence customers for the same period and divide the result by 365 days.
- (b) If no historical flow data are available, use: ERC = ( Total SFR gallons sold (Omit 000) / 365 days / 350 gallons per day )

Calculations: (a)		Average		
	SFR Gallons Sold	Customers	Days	ERC
	346,398,102	2,071	366	457

#### OTHER WATER SYSTEM INFORMATION

Fu	rnish information below for each system. A separate page should be supplied wl	nere necessary.
1.	Present ERC's * that system can efficiently serve.	2,071
2.	Maximum number of ERCs * which can be served **	2,206
3.	Present system connection capacity (in ERCs *) using existing lines.	2,097
4.	Future connection capacity (in ERCs *) upon service area buildout.	2,470
5.	Estimated annual increase in ERCs *. 30	
6.	Is the utility required to have fire flow capacity? Yes	
	If so, how much capacity is required? 1000 gpm	
7.	Attach a description of the fire fighting facilities. See W-14 Exhibit Q-7	
8.	Describe any plans and estimated completion dates for any enlargements or implements o	rovements of this system.
	When did the company last file a capacity analysis report with the DEP?  If the present system does not meet the requirements of the DEP rules:	N/A N/A
	a. Attach a description of the plnat upgrade necessary to meet the DEP rules.	
	b. Have these plans been approved by DEP?	
	c. When will construction begin?	
	d. Attach plans for funding the required upgrading.	
	e. Is this system under any Consent Order with DEP?	
11	Department of Environmental Protection ID #. 2450022	
12	. Water Management District Consumptive Use Permit #	2-089-0006NM2R2
	a. Is the system in compliance with the requirements of the CUP?	Yes,
	b. If not, what are the utility's plans to gain compliance? withdrawal quantities are dynamic and may fluctuate beyond permitted quantities du	It should be noted that ring the duration of
	the permit. Permits are reviewed peridically to ascertain whether modifications need	to be filed with the
	water management district.	

<sup>\*</sup> An ERC is determined based on the calculation on W-13

<sup>\*\*</sup> Based on Max day capacity divided by 2 for small systems and 1.5 for large systems or Peak hour capacity divided by 4 for small systems or 3 for large systems. This calculation is not necessarily representative of the maximum ERCs that can be served due to changing peak demands; fire flow requirements; and reliable capacity considerations.

UTILITY NAME: FLORIDA WATER SERVICES
SYSTEM NAME / COUNTY: AMELIA ISLAND / NASSAU #1518

#### CALCULATION OF THE WASTEWATER SYSTEMS EQUIVALENT RESIDENTIAL UNITS

			NUMBER	TOTAL NUMBER OF METER
METER	TYPE OF	<b>EQUIVALENT</b>	OF WATER	EQUIVALENTS
SIZE	METER*	FACTOR	METERS	(c x d)
(a)	(b)	(c)	(d)	(e)
5/8"	Displacement	1.0	1,979	1,979
3/4"	Displacement	1.5	74	111
1"	Displacement	2.5	37	93
1 1/2"	Displacement or Turbine	5.0	21	105
2"	Displacement, Compound or Tur	8.0	31	_ 248
3"	Displacement	15.0	0	0
3"	Compound	16.0	0	0
3"	Turbine	17.5	9	158
4"	Displacement or Compound	25.0	0	0
4"	Turbine	30.0	9	270
6"	Displacement or Compound	50.0	0	0
6"	Turbine	62.5	1	63
8"	Compound	80.0	0	0
8"	Turbine	90.0	0	0
10"	Compound	115.0	0	0
10"	Turbine	145.0	0	0
12"	Turbine	215.0	0	0
	Total Wastewater System Meter E	quivalents		3,026

# CALCULATION OF THE WASTEWATER SYSTEMS EQUIVALENT RESIDENTIAL CONNECTIONS

Provide a calculation used to determine the value of one water equivalent residential connection (ERC Use one of the following methods:

- (a) If actual flow data are available from the preceding 12 months, divide the total annual single fa residence (SFR) gallons sold by the average number of single family residence customers for the sa period and divide the results by 365 days.
- (b) If no historical flow data are available, use:

ERC = ( Total SFR gallons treated (Omit 000) / 365 days / 275 gallons per day )

For wastewater only utilities:

Subtract all general use and other non residential customer gallons from the total gallons treated. Divide the remainder (SFR customers) by 365 days to reveal single family residence customer gallons per day.

NOTE: Total gallons treated includes both treated and purchased treatment.

Calculations:		Average		73727
	SFR Gallons Sold	Customers	Days	ERC
	92,096,061	1,872	366	134

**UTILITY NAME: FLORIDA WATER SERVICES** 

SYSTEM NAME / COUNTY: AMELIA ISLAND / NASSAU #1518

YEAR OF REPORT December 31, 2000

#### TREATMENT PLANT

Provide a separate sheet for each wastewater treatment facility

o t la o a copa. a	(0 011001 101 00011 110		
Danista d Canadity (and)	950,000		
Permitted Capacity (gpd)	950,000		
Basis of Permit Capacity (1)	AADF		
Manufacturer	Custom Made		
Type (2)	Extended Aeration		
Hydraulic Capacity (gpd)	950,000		
Average Daily Flow (mgd)	0.765	(Average of Max Month)	
Effluent Disposal (gpd)	1,585,000		
Total Gallons of WW Treated (mg)	229.551		
Method of Effluent Disposal	Spray Irrigation to 0	Golf Courses	

<sup>(1)</sup> Basis of permitted capacity as stated on the Florida DEP WWTP Operating Permit (i.e. average annual daily flow, etc.)

<sup>(2)</sup> Contact stabilization, advanced treatment, etc.



UTILITY NAME: FLORIDA WATER SERVICES
SYSTEM NAME / COUNTY: AMELIA ISLAND / NASSAU #1518

YEAR OF REPORT December 31, 2000

### OTHER WASTEWATER SYSTEM INFORMATION

Furnish information below for each system. A separate page should be supplied where necessary	
1. Present number of ERC's * now being served. 1,872	
2. Maximum number of ERC's * which can be served. 7,090 **  ** Note: SFR gallons sold is not representative of total www flow at plant.	
3. Present system connection capacity (in ERCs*) using existing lines. 1,906	
4. Future connection capacity (in ERCs*) upon service area buildout.** 2,722	
5. Estimated annual increase in ERCs* 172	
Describe any plans and estimate completion dates for any enlargements or improvements of this system.  None	
<ul> <li>7. If the utility uses reuse as a means of effluent disposal, attach a list of the reuse end users and the amount of reuse provided to each, if known. See Exhibit Q-7</li> <li>8. If the utility does not engage in reuse, has a reuse feasibility study been completed?</li> </ul>	
If so, when?	
9. Has the utility been required by DEP or water management district to implement reuse? No	
If so, what are the utility's plans to comply with this requireme	
10. When did the company last file a capacity analysis report with the DEP?  March-01	
a. Attach a description of the plant upgrade necessary to meet the DEP rules. b. Have these plans been approved by DEP c. When will construction begin? d. Attach plans for funding the required upgrading. e. Is this system under any Consent Order with DEP	
12. Department of Environmental Protection ID # FLA011688	

- \* An ERC is determined based on the calculation on S-11
- \*\* Based on meter equivalency factors for ERCs

S-13 21518 SYSTEM 1

#### **PUMPING AND PURCHASED WATER STATISTICS**

			WATER USED	TOTAL WATER	
	WATER	FINISHED	FOR LINE	PUMPED AND	WATER SOLD
	PURCHASED	WATER PUMPED	FLUSHING,	PURCHASED	то
	FOR RESALE	FROM WELLS	FIGHTING	(Omit 000's)	CUSTOMERS
MONTH	(Omit 000's)	(Omit 000's)	FIRES, ETC.	(b) + (c)-(d)]	(Omit 000's)
(a)	(b)	(c)	(d)	(e)	(f)
January	0	14,570,000	114,780	14,455,220	12,568,006
February	0	13,709,100	144,820	13,564,280	12,087,620
March	0	19,562,000	908,960	18,653,040	15,153,910
April	0	17,398,900	196,180	17,202,720	17,597,030
May	0	25,374,100	268,070	25,106,030	17,035,164
June	0	20,282,000	236,530	20,045,470	23,629,510
July	0	15,772,000	183,030	15,588,970	17,329,938
August	27,800	16,310,000	231,050	16,106,750	13,296,800
September	0	13,646,100	303,450	13,342,650	15,319,864
October	0	17,570,900	231,540	17,339,360	12,196,690
November	0	17,814,200	195,420	17,618,780	15,362,140
December	0	14,635,800	272,270	14,363,530	16,697,960
Total for year	27,800	206,645,100	3,286,100	203,386,800	188,274,632

If water is purchased for	r resale, indicate the following:
Vendor	City of Altamonte Springs
Point of delivery	N/A
If water is sold to other N/A	water utilities for redistribution, list names of such utilities below:

	CAPACITY	GALLONS	
	OF WELL	PER DAY	TYPE OF
List for each source of supply:	gpm	FROM SOURCE	SOURCE
Well #1	500	720,000	Deep Well
Well #2	600	864,000	Deep Well

YEAR OF REPORT
December 31, 2000

#### WATER TREATMENT PLANT INFORMATION

Provide a separate sheet for each water treatment facility

Capacity of Plant (GPD):		* 720,000	(Reliable Max Day Capacity)
Location of measurement			
(I.e. WellHead, Storage Tank):		WellHead and/or Dis	tribution
Type of treatment (reverse osmosis,			
(sedimentation, chemical, aerated, etc	;,):	Chlorination and Aer	ation
	LIME TRE	EATMENT	
Unit rating (i.e., GPM, pounds			
-		Manufacturer:	
-	FILTR	Manufacturer:	
per gallon): N/A	FILTR		
Unit rating (i.e., GPM, pounds per gallon): N/A  Type and size of area:  Pressure (in square feet):	FILTR.		

<sup>\*</sup> Wells

SYSTEM NAME / COUNTY: APPLE VALLEY / SEMINOLE #332 December 31, 2000

#### CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL UNITS

METER SIZE (a)	TYPE OF METER* (b)	EQUIVALENT FACTOR (c)	NUMBER OF METERS (d) **	TOTAL NUMBER OF METER EQUIVALENTS (c x d) (e)
5/8"	Displacement	1.0	1,069	1,069
3/4"	Displacement	1.5	2	3
1"	Displacement	2.5	13	33
1 1/2"	Displacement or Turbine	5.0	2	10
2"	Displacement, Compound or Turbine	8.0	13	104
3"	Displacement	15.0	0	0
3"	Compound	16.0	0	0
3"	Turbine	17.5	0	0
4"	Displacement or Compound	25.0	0	0
4"	Turbine	30.0	0	0
6"	Displacement or Compound	50.0	0	0
6"	Turbine	62.5	0	0
8"	Compound	80.0	0	0
8"	Turbine	90.0	0	0
10"	Compound	115.0	0	0
10"	Turbine	145.0	0	0
12"	Turbine	215.0	0	0
	Total Water System Meter Equivalents	1,099	1,219	

#### CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL CONNECTION

Provide a calculation used to determine the value of one water equivalent residential connection (ERC). Use one of the following methods:

- (a) If actual flow data are available from the preceding 12 months, divide the total annual single family residence (SFR) gallons sold by the average number of single family residence customers for the same period and divide the result by 365 days
- (b) If no historical flow data are available, use ERC = ( Total SFR gallons sold (Omit 000) / 365 days / 350 gallons per day )

Calculations: (a)		Average		
	SFR Gallons Sold	Customers	Days	ERC
	178,896,302	1,022	366	478

#### OTHER WATER SYSTEM INFORMATION

Furnis	h information below for each system. A separate page should be supplied wh	nere necessary.
1. Pr	esent ERC's * that system can efficiently serve.	1,022
2. Ma	eximum number of ERCs * which can be served **	753
3. Pr	esent system connection capacity (in ERCs *) using existing lines.	1,142
4. Fu	ture connection capacity (in ERCs *) upon service area buildout.	1,402
5. Es	timated annual increase in ERCs *. 21	
6. Is	the utility required to have fire flow capacity? Yes  If so, how much capacity is required? 600 gpm	
7. At	tach a description of the fire fighting facilities. See W-14 Exhibit Q-7	
Ins	escribe any plans and estimated completion dates for any enlargements or impostall second ground storage tank (130,000 gal.), replace 350gpm high service pumpomp, install three (3) VFDs, install plant finished water meter assembly and con	p with new 500gpm
	liquid (sodium hypochlorite) system. All improvements to be completed by er	
9. W	hen did the company last file a capacity analysis report with the DEP?	N/A
10. If	the present system does not meet the requirements of the DEP rules:	N/A
a.	Attach a description of the plnat upgrade necessary to meet the DEP rules.	
b.	Have these plans been approved by DEP?	
c.	When will construction begin?	
d.	Attach plans for funding the required upgrading.	
e.	Is this system under any Consent Order with DEP?	
11. D	epartment of Environmental Protection ID #. 3590039	
12. V	later Management District Consumptive Use Permit #	N/A
a.	Is the system in compliance with the requirements of the CUP?	
b.	If not, what are the utility's plans to gain compliance?	
-		

<sup>\*</sup> An ERC is determined based on the calculation on W-13

<sup>\*\*</sup> Based on Max day capacity divided by 2 for small systems and 1.5 for large systems or Peak hour capacity divided by 4 for small systems or 3 for large systems. This calculation is not necessarily representative of the maximum ERCs that can be served due to changing peak demands; fire flow requirements; and reliable capacity considerations.

SYSTEM NAME / COUNTY: APPLE VALLEY / SEMINOLE #332

YEAR OF REPORT December 31, 2000

#### CALCULATION OF THE WASTEWATER SYSTEMS EQUIVALENT RESIDENTIAL UNITS

METER SIZE (a)	TYPE OF METER* (b)	EQUIVALENT FACTOR (c)	NUMBER OF WATER METERS (d)	TOTAL NUMBER OF METER EQUIVALENTS (c x d) (e)		
5/8"	Displacement	1.0	182	182		
3/4"	Displacement	1.5	0	0		
1"	Displacement	2.5	7	18		
1 1/2"	Displacement or Turbine	5.0	1	5		
2"	Displacement, Compound or Tur	8.0	1	8		
3"	Displacement	15.0	0	0		
3"	Compound	16.0	0	0		
3"	Turbine	17.5	0	0		
4"	Displacement or Compound	25.0	0	0		
4"	Turbine	30	0	0		
6"	Displacement or Compound	50.0	0	0		
6"	Turbine	62.5	0	0		
8"	Compound	80.0	0	0		
8"	Turbine	90.0	0	0		
10"	Compound	115.0	0	0		
10"	Turbine	145.0	0	0		
12"	Turbine	215.0	0	0		
	Total Wastewater System Meter Equivalents					

# CALCULATION OF THE WASTEWATER SYSTEMS EQUIVALENT RESIDENTIAL CONNECTIONS

Provide a calculation used to determine the value of one water equivalent residential connection (ERC Use one of the following methods:

- (a) If actual flow data are available from the preceding 12 months, divide the total annual single fa residence (SFR) gallons sold by the average number of single family residence customers for the sa period and divide the results by 365 days.
- (b) If no historical flow data are available, use:

ERC = ( Total SFR gallons treated (Omit 000) / 365 days / 275 gallons per day )

For wastewater only utilities:

Subtract all general use and other non residential customer gallons from the total gallons treated. Divide the remainder (SFR customers) by 365 days to reveal single family residence customer gallons per day.

**NOTE:** Total gallons treated includes both treated and purchased treatment.

Calculations:		Average		
	SFR Gallons Sold	Customers	Days	ERC
	10,339,270	159	366	178

**UTILITY NAME: FLORIDA WATER SERVICES** 

SYSTEM NAME / COUNTY: APPLE VALLEY / SEMINOLE #332

YEAR OF REPORT December 31, 2000

#### TREATMENT PLANT

Provide a separate sheet for each wastewater treatment facility

Permitted Capacity (gpd)	Interconnected
Basis of Permit Capacity (1)	AADF
Manufacturer	Interconnect
Type (2)	Interconnected
Hydraulic Capacity (gpd)	Interconnected
Average Daily Flow (mgd)	Interconnect
Effluent Disposal (gpd)	Interconnected
Total Gallons of WW Treated (mg)	Interconnect
Method of Effluent Disposal	Interconnected -

- (1) Basis of permitted capacity as stated on the Florida DEP WWTP Operating Permit (i.e. average annual daily flow, etc.)
- (2) Contact stabilization, advanced treatment, etc.

YEAR OF REPORT December 31, 2000

# OTHER WASTEWATER SYSTEM INFORMATION

Furnish information below for each system. A se	eparate page should be supplied where necessary.
Present number of ERC's * now being served.	159 Interconnected
2. Maximum number of ERC's * which can be served.  ** Note: SFR gallons sold is not representative of total www flow at plant  3. Present system connection capacity (in ERCs*) using	
4. Future connection capacity (in ERCs*) upon service a	rea buildout.** 159
5. Estimated annual increase in ERCs* 2	
Describe any plans and estimate completion dates for None	r any enlargements or improvements of this system.
7. If the utility uses reuse as a means of effluent dispose of reuse provided to each, if known. N/A  8. If the utility does not engage in reuse, has a reuse feature.	
If so, when?	
Has the utility been required by DEP or water manage	ement district to implement reuse? No
If so, what are the utility's plans to comply	with this requireme
10. When did the company last file a capacity analysis	report with the DEP? N/A
11. If the present system does not meet the requirement a. Attach a description of the plant upgrad b. Have these plans been approved by DEF c. When will construction begin?  d. Attach plans for funding the required up e. Is this system under any Consent Order	le necessary to meet the DEP rules.
12. Department of Environmental Protection ID #	Interconnected

- \* An ERC is determined based on the calculation on S-11
- \*\* Based on meter equivalency factors for ERCs

S-13

#N/A

SYSTEM 1

#### **PUMPING AND PURCHASED WATER STATISTICS**

MONTH	WATER PURCHASED FOR RESALE (Omit 000's)	FINISHED WATER PUMPED FROM WELLS (Omit 000's)	WATER USED FOR LINE FLUSHING, FIGHTING FIRES, ETC.	TOTAL WATER PUMPED AND PURCHASED (Omit 000's) (b) + (c)-(d)]	WATER SOLD TO CUSTOMERS (Omit 000's)
(a)	(b)		·		
		(c)	(d)	(e)	(f)
January	0	549,000	0	549,000	417,410
February	0	507,000	11,000	496,000	491,267
March	0	598,000	15,000	583,000	478,300
April	0	617,000	1,000	616,000	572,640
May	0	1,004,000	2,000	1,002,000	642,320
June	0	612,000	3,000	609,000	876,710
July	0	651,000	20,000	631,000	501,760
August	0	524,000	0	524,000	507,060
September	0	510,000	3,000	507,000	435,590
October	0	688,000	146,000	542,000	439,500
November	0	599,000	4,000	595,000	535,360
December	0	550,000	0	550,000	522,170
Total for year	o	7,409,000	205,000	7,204,000	6,420,087

r		
	If water is purchased for resale, indica	ate the following:
١	Vendor N//	4
	Point of delivery N/A	4
l	If water is sold to other water utilities	for redistribution, list names of such utilities below:
	N/A	
1		
•		

	CAPACITY	GALLONS	
	OF WELL	PER DAY	TYPE OF
List for each source of supply:	gpm	FROM SOURCE	SOURCE
Well #1	275	396,000	Deep Well

UTILITY NAME: FLORIDA WATER SERVICES
SYSTEM NAME / COUNTY: BAY LAKE ESTATES #784

YEAR OF REPORT
December 31, 2000

#### WATER TREATMENT PLANT INFORMATION

Provide a separate sheet for each water treatment facility

Capacity of Plant (GPD):	* 396,000 (Peak Hour)
Location of measurement	
(I.e. WellHead, Storage Tank):	WellHead and/or Distribution
Type of treatment (reverse osmosis,	
(sedimentation, chemical, aerated, etc,):	Chlorination
LIM	E TREATMENT
	E TREATMENT
Unit rating (i.e., GPM, pounds	E TREATMENT  Manufacturer:
Unit rating (i.e., GPM, pounds per gallon): N/A	
Unit rating (i.e., GPM, pounds per gallon): N/A	Manufacturer:
Unit rating (i.e., GPM, pounds per gallon): N/A	Manufacturer:

<sup>\*</sup> Wells

#### CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL UNITS

METER SIZE (a)	TYPE OF METER* (b)	EQUIVALENT FACTOR (c)	NUMBER OF METERS (d) **	TOTAL NUMBER OF METER EQUIVALENTS (c x d) - (e)
5/8"	Displacement	1.0	79	79
3/4"	Displacement	1.5	0	0
1"	Displacement	2.5	0	0
1 1/2"	Displacement or Turbine	5.0	0	0
2"	Displacement, Compound or Turbine	8.0	0	0
3"	Displacement	15.0	0	0
3"	Compound	16.0	0	0
3"	Turbine	17.5	0	0
4"	Displacement or Compound	25.0	0	0
4"	Turbine	30.0	0	0
6"	Displacement or Compound	50.0	0	0
6"	Turbine	62.5	0	0
8"	Compound	80.0	0	0
8"	Turbine	90.0	0	0
10"	Compound	115.0	0	0
10"	Turbine	145.0	0	0
12"	Turbine	215.0	0	0
	Total Water System Meter Equivalents		79	79

#### CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL CONNECTION

Provide a calculation used to determine the value of one water equivalent residential connection (ERC). Use one of the following methods:

- (a) If actual flow data are available from the preceding 12 months, divide the total annual single family residence (SFR) gallons sold by the average number of single family residence customers for the same period and divide the result by 365 days
- (b) If no historical flow data are available, use.
  ERC = ( Total SFR gallons sold (Omit 000) / 365 days / 350 gallons per day )

Calculations: (a)		Average		
	SFR Gallons Sold	Customers	Days	ERC
	6,367,947	75	366	232

#### OTHER WATER SYSTEM INFORMATION

Furnish information below for each system. A separate page should be supplied w	here necessary.
Present ERC's * that system can efficiently serve.	75
2. Maximum number of ERCs * which can be served * *	427
3. Present system connection capacity (in ERCs *) using existing lines.	72
4. Future connection capacity (in ERCs *) upon service area buildout.	95
5. Estimated annual increase in ERCs *. 0	
Is the utility required to have fire flow capacity? No  If so, how much capacity is required?	
7. Attach a description of the fire fighting facilities.	
Describe any plans and estimated completion dates for any enlargements or important to the second seco	provements of this system.
9. When did the company last file a capacity analysis report with the DEP?	N/A
10. If the present system does not meet the requirements of the DEP rules:	N/A
a. Attach a description of the plnat upgrade necessary to meet the DEP rules.	
b. Have these plans been approved by DEP?	
c. When will construction begin?	
d. Attach plans for funding the required upgrading.	
e. Is this system under any Consent Order with DEP?	
11. Department of Environmental Protection ID #. 3490090	
12. Water Management District Consumptive Use Permit #	49-00959-W
a. Is the system in compliance with the requirements of the CUP?	Yes,
b. If not, what are the utility's plans to gain compliance? withdrawal quantities are dynamic and may fluctuate beyond permitted quantities do the permit. Permits are reviewed peridically to ascertain whether modifications need water management district.	

An ERC is determined based on the calculation on W-13
 Based on Max day capacity divided by 2 for small systems and 1.5 for large systems or Peak hour capacity divided by 4 for small systems or 3 for large systems. This calculation is not necessarily representative of the maximum ERCs that can be served due to changing peak demands; fire flow requirements; and reliable capacity considerations.

#### **PUMPING AND PURCHASED WATER STATISTICS**

	WATER	FINISHED	WATER USED FOR LINE	TOTAL WATER PUMPED AND	WATER SOLD
	PURCHASED	WATER PUMPED	FLUSHING,	PURCHASED	то
	FOR RESALE	FROM WELLS	FIGHTING	(Omit 000's)	CUSTOMERS
MONTH	(Omit 000's)	(Omit 000's)	FIRES, ETC.	(b) + (c)-(d)]	(Omit 000's)
(a)	(b)	(c)	(d)	(e)	(f)
January	0	42,005,300	393,440	41,611,860	43,212,811
February	0	44,371,600	228,370	44,143,230	41,332,868
March	0	54,287,900	71,530	54,216,370	55,195,187
April	0	54,761,400	76,650	54,684,750	51,725,190
May	0	76,097,300	67,130	76,030,170	63,079,578
June	0	57,623,300	347,540	57,275,760	80,491,967
July	0	63,652,000	429,630	63,222,370	64,437,112
August	0	62,785,600	541,750	62,243,850	62,747,628
September	0	41,256,900	69,410	41,187,490	49,515,792
October	0	52,421,600	116,340	52,305,260	46,045,260
November	0	51,335,200	151,630	51,183,570	55,524,847
December	0	44,383,600	93,240	44,290,360	47,245,816
Total for year	0	644,981,700	2,586,660	642,395,040	660,554,056

If water is purchased for r	esale, indicate the following:
Vendor	United Water
Point of delivery	6" Meter at Cobblestone
If water is sold to other w	ater utilities for redistribution, list names of such utilities below:
N/A	,

	CAPACITY	GALLONS	
	OF WELL	PER DAY	TYPE OF
List for each source of supply:	gpm	FROM SOURCE	SOURCE
Beacon Hills Plant Well # 1	1,500	2,160,000	Deep Well
Beacon Hills Plant Well # 2	1,500	2,160,000	Deep Well
Cobblestone Plant Well # 1	1,500	2,160,000	Deep Well
Cobblestone Plant Well # 2	1,500	2,160,000	Deep Well

YEAR OF REPORT December 31, 2000

#### WATER TREATMENT PLANT INFORMATION

Provide a separate sheet for each water treatment facility

Capacity of Plant (GPD):	* 7,776,000	(Reliable Peak Hour)
Location of measurement		
(I.e. WellHead, Storage Tank):	WellHead and/or D	listribution
Type of treatment (reverse osmosis,		
(sedimentation, chemical, aerated, etc,):	Chlorination and A	eration
LIN	ME TREATMENT	
LIM Unit rating (i.e., GPM, pounds	ME TREATMENT	
Unit rating (i.e., GPM, pounds	ME TREATMENT  Manufacturer:	
Unit rating (i.e., GPM, pounds		AMERICAN CONTRACTOR CO
Unit rating (i.e., GPM, pounds	Manufacturer:	
Unit rating (i.e., GPM, pounds per gallon): N/A  Type and size of area:	Manufacturer:	

<sup>\*</sup> High Service

#### CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL UNITS

METER SIZE (a)	TYPE OF METER* (b)	EQUIVALENT FACTOR (c)	NUMBER OF METERS (d) **	TOTAL NUMBER OF METER EQUIVALENTS (c x d) - (e)
5/8"	Displacement	1.0	3,223	3,223
3/4"	Displacement	1.5	481	722
1"	Displacement	2.5	54	135
1 1/2"	Displacement or Turbine	5.0	38	190
2"	Displacement, Compound or Turbine	8.0	17	136
3"	Displacement	15.0	0	0
3"	Compound	16.0	0	0
3"	Turbine	17.5	0	0
4"	Displacement or Compound	25.0	0	0
4"	Turbine	30.0	0	0
6"	Displacement or Compound	50.0	0	0
6"	Turbine	62.5	0	0
8"	Compound	80.0	0	0
8"	Turbine	90.0	0	0
10"	Compound	115.0	0	0
10"	Turbine	145.0	0	0
12"	Turbine	215.0	0	0
	Total Water System Meter Equivalents		3,813	4,406

#### CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL CONNECTION

Provide a calculation used to determine the value of one water equivalent residential connection (ERC). Use one of the following methods:

- (a) If actual flow data are available from the preceding 12 months, divide the total annual single family residence (SFR) gallons sold by the average number of single family residence customers for the same period and divide the result by 365 days.
- (b) If no historical flow data are available, use: ERC = ( Total SFR gallons sold (Omit 000) / 365 days / 350 gallons per day )

Calculations: (a)		Average		
	SFR Gallons Sold	Customers	Days	ERC
	621,015,783	3,576	366	474

#### **OTHER WATER SYSTEM INFORMATION**

Furnish information below for each system. A separate page should be supplied to	where necessary.
1. Present ERC's * that system can efficiently serve.	3,576
2. Maximum number of ERCs * which can be served * *	4,097
3. Present system connection capacity (in ERCs *) using existing lines.	4,006
4. Future connection capacity (in ERCs *) upon service area buildout.	4,140
5. Estimated annual increase in ERCs *. 201	
6. Is the utility required to have fire flow capacity? Yes	
If so, how much capacity is required? 1500 gpm	
7. Attach a description of the fire fighting facilities. See W-14 Exhibit Q-7	
Describe any plans and estimated completion dates for any enlargements or in None	nprovements of this system.
9. When did the company last file a capacity analysis report with the DEP?	N/A
10. If the present system does not meet the requirements of the DEP rules:	N/A
a. Attach a description of the plnat upgrade necessary to meet the DEP rules.	
b. Have these plans been approved by DEP?	
c. When will construction begin?	
d. Attach plans for funding the required upgrading.	
e. Is this system under any Consent Order with DEP?	
11. Department of Environmental Protection ID #. 2160064	
12. Water Management District Consumptive Use Permit #	TEMP/20310027N
a. Is the system in compliance with the requirements of the CUP?	Yes,
b. If not, what are the utility's plans to gain compliance?	It should be noted that
withdrawal quantities are dynamic and may fluctuate beyond permitted quantities of	
the permit. Permits are reviewed peridically to ascertain whether modifications need	ed to be filed with the
water management district.	

<sup>\*</sup> An ERC is determined based on the calculation on W-13
\*\* Based on Max day capacity divided by 2 for small systems and 1.5 for large systems or Peak hour capacity divided by 4 for small systems or 3 for large systems. This calculation is not necessarily representative of the maximum ERCs that can be served due to changing peak demands; fire flow requirements; and reliable capacity considerations.

UTILITY NAME: FLORIDA WATER SERVICES
SYSTEM NAME / COUNTY: BEACON HILLS / DUVAL #886

#### CALCULATION OF THE WASTEWATER SYSTEMS EQUIVALENT RESIDENTIAL UNITS

METER	TYPE OF	EQUIVALENT	NUMBER OF WATER	TOTAL NUMBER OF METER EQUIVALENTS		
SIZE	METER*	FACTOR	METERS	(c x d)		
(a)	(b)	(c)	(d)	(e)		
(4)	(5)	(0)	(0)	(0)		
5/8"	Displacement	1.0	3,140	3,140		
3/4"	Displacement	1.5	471	707		
1"	Displacement	2.5	41	103		
1 1/2"	Displacement or Turbine	5.0	33	165		
2"	Displacement, Compound or Tur	8.0	9	. 72		
3"	Displacement	15.0	0	0		
3"	Compound	16.0	0	0		
3"	Turbine	17.5	0	0		
4"	Displacement or Compound	25.0	0	0		
4"	Turbine	30	0	0		
6"	Displacement or Compound	50.0	0	0		
6"	Turbine	62.5	0	0		
8"	Compound	80.0	0	0		
8"	Turbine	90.0	0	0		
10"	Compound	115.0	0	0		
10"	Turbine	145.0	0	0		
12"	Turbine	215.0	0	0		
	Total Wastewater System Meter Equivalents					

# CALCULATION OF THE WASTEWATER SYSTEMS EQUIVALENT RESIDENTIAL CONNECTIONS

Provide a calculation used to determine the value of one water equivalent residential connection (ERC Use one of the following methods:

- (a) If actual flow data are available from the preceding 12 months, divide the total annual single fa residence (SFR) gallons sold by the average number of single family residence customers for the sa period and divide the results by 365 days.
- (b) If no historical flow data are available, use:

ERC = ( Total SFR gallons treated (Omit 000) / 365 days / 275 gallons per day )

For wastewater only utilities:

Subtract all general use and other non residential customer gallons from the total gallons treated. Divide the remainder (SFR customers) by 365 days to reveal single family residence customer gallons per day.

**NOTE:** Total gallons treated includes both treated and purchased treatment.

١	Calculations:		Average		
		SFR Gallons Sold	Customers	Days	ERC
		216,186,800	3,494	366	169

**UTILITY NAME: FLORIDA WATER SERVICES** 

SYSTEM NAME / COUNTY: BEACON HILLS / DUVAL #886

YEAR OF REPORT December 31, 2000

#### TREATMENT PLANT

Provide a separate sheet for each wastewater treatment facility

riovide a separa	ale Sheet for each was	stewater treatment racinty	<u> </u>
Permitted Capacity (gpd)	836,000		
Basis of Permit Capacity (1)	AADF		
Manufacturer	DAVCO		
Type (2)	Extended Aeration		
Hydraulic Capacity (gpd)	1,300,000		
Average Daily Flow (mgd)	0.660	(Average of Max Month)	
Effluent Disposal (gpd)	1,300,000		
Total Gallons of WW Treated (mg)	227.318		
Method of Effluent Disposal	St. John's River		-

- (1) Basis of permitted capacity as stated on the Florida DEP WWTP Operating Permit (i.e. average annual daily flow, etc.)
- (2) Contact stabilization, advanced treatment, etc.

UTILITY NAME: FLORIDA WATER SERVICES
SYSTEM NAME / COUNTY: BEACON HILLS / DUVAL #886

YEAR OF REPORT December 31, 2000

### OTHER WASTEWATER SYSTEM INFORMATION

Furnish information below for each system. A separate page should be supplied where necessary	•
1. Present number of ERC's * now being served. 3,494	
2. Maximum number of ERC's * which can be served. 4,947 **  ** Note: SFR gallons sold is not representative of total ww flow at plant.  3. Present system connection capacity (in ERCs*) using existing lines. 3,970	
4. Future connection capacity (in ERCs*) upon service area buildout.** 4,090	
5. Estimated annual increase in ERCs* 219	
6. Describe any plans and estimate completion dates for any enlargements or improvements of this system.  None	
<ul> <li>7. If the utility uses reuse as a means of effluent disposal, attach a list of the reuse end users and the amount of reuse provided to each, if known. N/A</li> <li>8. If the utility does not engage in reuse, has a reuse feasibility study been completed? Yes</li> </ul>	
If so, when? August, 1993	
Has the utility been required by DEP or water management district to implement reuse?	
If so, what are the utility's plans to comply with this requireme	
10. When did the company last file a capacity analysis report with the DEP?  August-96	
11. If the present system does not meet the requirements of DEP rules: N/A  a. Attach a description of the plant upgrade necessary to meet the DEP rules. b. Have these plans been approved by DEP  c. When will construction begin? d. Attach plans for funding the required upgrading. e. Is this system under any Consent Order with DEP	
12. Department of Environmental Protection ID # FL0026778	

- \* An ERC is determined based on the calculation on S-11
- \*\* Based on meter equivalency factors for ERCs

S-13 20886 SYSTEM 1

#### **PUMPING AND PURCHASED WATER STATISTICS**

			WATER USED	TOTAL WATER	W47FD 001D
	WATER	FINISHED	FOR LINE	PUMPED AND	WATER SOLD
	PURCHASED	WATER PUMPED	FLUSHING,	PURCHASED	ТО
	FOR RESALE	FROM WELLS	FIGHTING	(Omit 000's)	CUSTOMERS
MONTH	(Omit 000's)	(Omit 000's)	FIRES, ETC.	(b) + (c)-(d)]	(Omit 000's)
(a)	(b)	(c)	(d)	(e)	(f)
January	534,000	0	4,000	530,000	493,670
February	586,000	0	4,000	582,000	537,090
March	685,000	0	0	685,000	568,040
April	577,000	0	4,000	573,000	606,638
May	745,000	0	4,000	741,000	642,932
June	594,000	0	4,000	590,000	556,620
July	565,000	0	0	565,000	602,600
August	475,000	0	4,000	471,000	423,300
September	389,000	0	4,000	385,000	436,220
October	487,000	0	0	487,000	341,170
November	458,000	0	4,000	454,000	445,590
December	405,000	0	3,500	401,500	386,470
Total for year	6,500,000	0	35,500	6,464,500	6,040,340

If water is purchased for re	esale, indicate the following:
Vendor	Town of Welaka
Point of delivery	6 inch Rockwell Meter @ 400 Front Street
If water is sold to other wa	ater utilities for redistribution, list names of such utilities below:
N/A	

	CAPACITY	GALLONS	
	OF WELL	PER DAY	TYPE OF
List for each source of supply:	gpm	FROM SOURCE	SOURCE
Interconnected with town of Welaka			<b>(</b>

UTILITY NAME: FLORIDA WATER SERVICES
SYSTEM NAME / COUNTY: BEECHER'S POINT / PUTNAM #472

YEAR OF REPORT
December 31, 2000

#### WATER TREATMENT PLANT INFORMATION

Provide a separate sheet for each water treatment facility

Capacity of Plant (GPD):	-	N/A	
Location of measurement			
(I.e. WellHead, Storage Tank):		N/A	
Type of treatment (reverse osmosis,			
(sedimentation, chemical, aerated, etc	»,):	N/A	
	LIME TREA	TMENT	
Unit rating (i.e., GPM, pounds			
Unit rating (i.e., GPM, pounds per gallon):		Manufacturer:	
•	FILTRAT		
•	FILTRAT		
per gallon): N/A	FILTRAT N/A		

#### CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL UNITS

METER SIZE (a)	TYPE OF METER* (b)	EQUIVALENT FACTOR (c)	NUMBER OF METERS (d)	TOTAL NUMBER OF METER EQUIVALENTS (c x d) (e)
5/8"	Displacement	1.0	48	48
3/4"	Displacement	1.5	0	0
1"	Displacement	2.5	1	3
1 1/2"	Displacement or Turbine	5.0	0	0
2"	Displacement, Compound or Turbine	8.0	3	24
3"	Displacement	15.0	0	0
3"	Compound	16.0	0	0
3"	Turbine	17.5	0	0
4"	Displacement or Compound	25.0	0	0
4"	Turbine	30.0	11	30
6"	Displacement or Compound	50.0	0	0
6"	Turbine	62.5	0	0
8"	Compound	80.0	0	0
8"	Turbine	90.0	0	0
10"	Compound	115.0	0	0
10"	Turbine	145.0	0	0
12"	Turbine	215.0	0	0
	Total Water System Meter Equivalents		53	105

#### CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL CONNECTION

Provide a calculation used to determine the value of one water equivalent residential connection (ERC). Use one of the following methods:

- (a) If actual flow data are available from the preceding 12 months, divide the total annual single family residence (SFR) gallons sold by the average number of single family residence customers for the same period and divide the result by 365 days.
- (b) If no historical flow data are available, use:

ERC = (Total SFR gallons sold (Omit 000) / 365 days / 350 gallons per day)

Calculations: (a)		Average		
	SFR Gallons Sold	Customers	Days	ERC
	2,107,580	47	366	123

#### OTHER WATER SYSTEM INFORMATION

Furnish information below for each system. A separate page should be supplied	d where necessary.
Present ERC's * that system can efficiently serve.	47
2. Maximum number of ERCs * which can be served **	N/A
3. Present system connection capacity (in ERCs *) using existing lines.	93 -
4. Future connection capacity (in ERCs *) upon service area buildout.	96
5. Estimated annual increase in ERCs *. 8	
6. Is the utility required to have fire flow capacity? No  If so, how much capacity is required?	
7. Attach a description of the fire fighting facilities	
Describe any plans and estimated completion dates for any enlargements or None	improvements of this system.
9. When did the company last file a capacity analysis report with the DEP?  10. If the present system does not result the presidence of the DEP when	N/A
10. If the present system does not meet the requirements of the DEP rules:	N/A
<ul> <li>a. Attach a description of the plnat upgrade necessary to meet the DEP rule</li> <li>b. Have these plans been approved by DEP?</li> </ul>	s.
c. When will construction begin?	
d. Attach plans for funding the required upgrading.	
e. Is this system under any Consent Order with DEP?	
11. Department of Environmental Protection ID #. 2540070	
12. Water Management District Consumptive Use Permit #	N/A
a. Is the system in compliance with the requirements of the CUP?	
b. If not, what are the utility's plans to gain compliance?	

<sup>\*</sup> An ERC is determined based on the calculation on W-13

<sup>\*\*</sup> Based on Max day capacity divided by 2 for small systems and 1.5 for large systems or Peak hour capacity divided by 4 for small systems or 3 for large systems. This calculation is not necessarily representative of the maximum ERCs that can be served due to changing peak demands; fire flow requirements; and reliable capacity considerations.

YEAR OF REPORT December 31, 2000

### CALCULATION OF THE WASTEWATER SYSTEMS EQUIVALENT RESIDENTIAL UNITS

METER SIZE (a)	TYPE OF METER* (b)	EQUIVALENT FACTOR (c)	NUMBER OF WATER METERS (d)	TOTAL NUMBER OF METER EQUIVALENTS (c x d) (e)
5/8"	Displacement	1.0	19	19
3/4"	Displacement	1.5	0	0
1"	Displacement	2.5	0	0
1 1/2"	Displacement or Turbine	5.0	0	0-
2"	Displacement, Compound or Tur	8.0	0	. 0
3"	Displacement	15.0	0	0
3"	Compound	16.0	0	0
3"	Turbine	17.5	0	0
4"	Displacement or Compound	25.0	0	0
4"	Turbine	30	1	30
6"	Displacement or Compound	50.0	0	0
6"	Turbine	62.5	0	0
8"	Compound	80.0	0	0
8"	Turbine	90.0	0	0
10"	Compound	115.0	0	0
10"	Turbine	145.0	0	0
12"	Turbine	215.0	0	0
	49			

# CALCULATION OF THE WASTEWATER SYSTEMS EQUIVALENT RESIDENTIAL CONNECTIONS

Provide a calculation used to determine the value of one water equivalent residential connection (ERC Use one of the following methods:

- (a) If actual flow data are available from the preceding 12 months, divide the total annual single fa residence (SFR) gallons sold by the average number of single family residence customers for the sa period and divide the results by 365 days.
- (b) If no historical flow data are available, use:

ERC = ( Total SFR gallons treated (Omit 000) / 365 days / 275 gallons per day )

For wastewater only utilities:

Subtract all general use and other non residential customer gallons from the total gallons treated. Divide the remainder (SFR customers) by 365 days to reveal single family residence customer gallons per day.

NOTE: Total gallons treated includes both treated and purchased treatment.

Calculations:		Average		
	SFR Gallons Sold	Customers	Days	ERC
	565,150	16	366	97

**UTILITY NAME: FLORIDA WATER SERVICES** 

SYSTEM NAME / COUNTY: BEECHER'S POINT / PUTNAM #472

YEAR OF REPORT December 31, 2000

#### TREATMENT PLANT

Provide a separate sheet for each wastewater treatment facility

1101.00 0 0000.0	to 31100t 101 00011 tra	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Permitted Capacity (gpd)	15,000		
Basis of Permit Capacity (1)	AADF		
Manufacturer	DEFIANCE		
Type (2)	Extended Aeration		
Hydraulic Capacity (gpd)	15,000		
Average Daily Flow (mgd)	0.012	(Average of Max Month)	
Effluent Disposal (gpd)	15,000		
Total Gallons of WW Treated (mg)	2.967		
Method of Effluent Disposal	Ponds		•

- (1) Basis of permitted capacity as stated on the Florida DEP WWTP Operating Permit (i.e. average annual daily flow, etc.)
- (2) Contact stabilization, advanced treatment, etc.

							· .				
		•									
											or 1
								-			
									19 19 18 18 18		
										y.	
							•				

UTILITY NAME: FLORIDA WATER SERVICES
SYSTEM NAME / COUNTY: BEECHER'S POINT / PUTNAM #472

YEAR OF REPORT December 31, 2000

## OTHER WASTEWATER SYSTEM INFORMATION

Furnish information below for each system. A separate page should be supplied where necessary.
1. Present number of ERC's * now being served16
2. Maximum number of ERC's * which can be served.  ** Note: SFR gallons sold is not representative of total www flow at plant.  ***
3. Present system connection capacity (in ERCs*) using existing lines. 20
4. Future connection capacity (in ERCs*) upon service area buildout.** 20
5. Estimated annual increase in ERCs* 0
6. Describe any plans and estimate completion dates for any enlargements or improvements of this system.  Interconnection planned with Town of Welaka. Estimated completion date Dec 2001.
<ul> <li>7. If the utility uses reuse as a means of effluent disposal, attach a list of the reuse end users and the amount of reuse provided to each, if known. N/A</li> <li>8. If the utility does not engage in reuse, has a reuse feasibility study been completed? No</li> </ul>
If so, when?
Has the utility been required by DEP or water management district to implement reuse?
If so, what are the utility's plans to comply with this requireme
10. When did the company last file a capacity analysis report with the DEP? N/A
11. If the present system does not meet the requirements of DEP rules:N/A
12. Department of Environmental Protection ID # FLA011732-001-DW3P

- \* An ERC is determined based on the calculation on S-11
- \*\* Based on meter equivalency factors for ERCs

S-13 20472 SYSTEM 1

#### **PUMPING AND PURCHASED WATER STATISTICS**

			WATER USED	TOTAL WATER	
	WATER	FINISHED	FOR LINE	PUMPED AND	WATER SOLD
	PURCHASED	WATER PUMPED	FLUSHING,	PURCHASED	то
	FOR RESALE	FROM WELLS	FIGHTING	(Omit 000's)	CUSTOMERS
MONTH	(Omit 000's)	(Omit 000's)	FIRES, ETC.	(b) + (c)-(d)]	(Omit 000's)
(a)	(b)	(c)	(d)	(e)	(f)
January	0	50,622,900	1,586,350	49,036,550	54,932,261
February	0	53,972,600	1,531,050	52,441,550	49,348,900
March	0	66,148,400	760,052	65,388,348	61,853,783
April	0	70,690,500	1,760,930	68,929,570	66,662,187
May	0	84,896,200	1,322,290	83,573,910	74,864,045
June	0	72,763,900	2,995,510	69,768,390	82,858,264
July	0	61,359,300	1,130,960	60,228,340	65,380,758
August	0	60,327,200	909,760	59,417,440	56,995,164
September	0	56,206,200	634,140	55,572,060	57,475,308
October	0	64,544,700	466,510	64,078,190	56,303,475
November	0	62,630,500	421,570	62,208,930	65,092,570
December	0	59,096,600	394,040	58,702,560	62,836,612
Total for year	0	763,259,000	13,913,162	749,345,838	754,603,327

If water is purchased for r	esale, indicate the follo	wing:	
Vendor	N/A		
Point of delivery	N/A		
If water is sold to other w	ater utilities for redistr	bution, list names of such utilities b	pelow:
N/A			

	CAPACITY	GALLONS	
	OF WELL	PER DAY	TYPE OF
List for each source of supply:	gpm	FROM SOURCE	SOURCE
Well #1	2,000	2,880,000	Deep Well
Well #2	2,500	3,600,000	Deep Well

YEAR OF REPORT
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# WATER TREATMENT PLANT INFORMATION

Provide a separate sheet for each water treatment facility

Capacity of Plant (GPD):	* 2,880,000	(Reliable Max Day Capacity)
Location of measurement		
(I.e. WellHead, Storage Tank):	WellHead and/or D	istribution
Type of treatment (reverse osmosis,		
(sedimentation, chemical, aerated, etc.):	Chlorination and A	eration
LIME	TREATMENT	
Unit rating (i.e., GPM, pounds		
•	Manufacturer:	
per gallon): N/A	Manufacturer:	
per gallon): N/A		
	ILTRATION	

<sup>\*</sup> Wells

#### CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL UNITS

METER SIZE (a)	TYPE OF METER* (b)	EQUIVALENT FACTOR (c)	NUMBER OF METERS (d)	TOTAL NUMBER OF METER EQUIVALENTS (c x d) (e)
			**	
5/8"	Displacement	1.0	10,091	10,091
3/4"	Displacement	1.5	6	9
1"	Displacement	2.5	30	75
1 1/2"	Displacement or Turbine	5.0	15	75
2"	Displacement, Compound or Turbine	8.0	57	456
3"	Displacement	15.0	0	0
3"	Compound	16.0	0	0
3"	Turbine	17.5	4	70
4"	Displacement or Compound	25.0	0	0
4"	Turbine	30.0	5	150
6"	Displacement or Compound	50.0	0	0
6"	Turbine	62.5	1	63
8"	Compound	80.0	0	0
8"	Turbine	90.0	0	0
10"	Compound	115.0	0	0
10"	Turbine	145.0	0	0
12"	Turbine	215.0	0	0
	Total Water System Meter Equivalents		10,209	10,989

#### CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL CONNECTION

Provide a calculation used to determine the value of one water equivalent residential connection (ERC). Use one of the following methods:

- (a) If actual flow data are available from the preceding 12 months, divide the total annual single family residence (SFR) gallons sold by the average number of single family residence customers for the same period and divide the result by 365 days.
- (b) If no historical flow data are available, use: ERC = ( Total SFR gallons sold (Omit 000) / 365 days / 350 gallons per day )

	Average		
SFR Gallons Sold	Customers	Days	ERC
579,327,435	7,735	366	205
		SFR Gallons Sold Customers	SFR Gallons Sold Customers Days

# OTHER WATER SYSTEM INFORMATION

Fu	rnish information below for each system. A separate page should be supplied w	here necessary.
1.	Present ERC's * that system can efficiently serve.	7,735
2.	Maximum number of ERCs * which can be served **	7,037
3.	Present system connection capacity (in ERCs *) using existing lines.	8,195
4.	Future connection capacity (in ERCs *) upon service area buildout.	8,517
5.	Estimated annual increase in ERCs *. 58	
6.	Is the utility required to have fire flow capacity? Yes	
	If so, how much capacity is required? 2500 gpm	
7.	Attach a description of the fire fighting facilities. See W-14 Exhibit Q-7	
8.	Describe any plans and estimated completion dates for any enlargements or implements of implements o	provements of this system.
	When did the company last file a capacity analysis report with the DEP?  If the present system does not meet the requirements of the DEP rules:	N/A
	a. Attach a description of the plnat upgrade necessary to meet the DEP rules.	
	b. Have these plans been approved by DEP?	
	c. When will construction begin?	
	d. Attach plans for funding the required upgrading.	
	e. Is this system under any Consent Order with DEP?	
11.	Department of Environmental Protection ID #. 3490184	
12.	. Water Management District Consumptive Use Permit #	49-00002-W
	a. Is the system in compliance with the requirements of the CUP?	Yes,
	b. If not, what are the utility's plans to gain compliance?	it should be noted that
	withdrawal quantities are dynamic and may fluctuate beyond permitted quantities du	
	the permit. Permits are reviewed peridically to ascertain whether modifications need	to be filed with the
	water management district.	

<sup>\*</sup> An ERC is determined based on the calculation on W-13

<sup>••</sup> Based on Max day capacity divided by 2 for small systems and 1.5 for large systems or Peak hour capacity divided by 4 for small systems or 3 for large systems. This calculation is not necessarily representative of the maximum ERCs that can be served due to changing peak demands; fire flow requirements; and reliable capacity considerations.

SYSTEM NAME / COUNTY: BUENAVENTURA LAKE / OSCEOLA #785

YEAR OF REPORT December 31, 2000

#### CALCULATION OF THE WASTEWATER SYSTEMS EQUIVALENT RESIDENTIAL UNITS

METER SIZE (a)	TYPE OF METER* (b)	EQUIVALENT FACTOR (c)	NUMBER OF WATER METERS (d)	TOTAL NUMBER OF METER EQUIVALENTS (c x d) (e)
5/8"	Displacement	1.0	7,889	7,889
3/4"	Displacement	1.5	4	6
1"	Displacement	2.5	11	28
1 1/2"	Displacement or Turbine	5.0	8	40
2"	Displacement, Compound or Tur	8.0	14	112
3"	Displacement	15.0	0	0
3"	Compound	16.0	0	0
3"	Turbine	17.5	0	0
4"	Displacement or Compound	25.0	0	0
4"	Turbine	30	4	120
6"	Displacement or Compound	50.0	0	0
6"	Turbine	62.5	1	63
8"	Compound	80.0	0	0
8"	Turbine	90.0	0	0
10"	Compound	115.0	0	0
10"	Turbine	145.0	0	0
12"	Turbine	215.0	0	0
	Total Wastewater System Meter E	quivalents		8,257

# CALCULATION OF THE WASTEWATER SYSTEMS EQUIVALENT RESIDENTIAL CONNECTIONS

Provide a calculation used to determine the value of one water equivalent residential connection (ERC Use one of the following methods:

- (a) If actual flow data are available from the preceding 12 months, divide the total annual single fa residence (SFR) gallons sold by the average number of single family residence customers for the sa period and divide the results by 365 days.
- (b) If no historical flow data are available, use:

ERC = ( Total SFR gallons treated (Omit 000) / 365 days / 275 gallons per day )

For wastewater only utilities:

Subtract all general use and other non residential customer gallons from the total gallons treated. Divide the remainder (SFR customers) by 365 days to reveal single family residence customer gallons per day.

**NOTE:** Total gallons treated includes both treated and purchased treatment.

SFR Gallons Sold Customers Days	
	ERC
395,252,088 7,684 366	141

**UTILITY NAME: FLORIDA WATER SERVICES** 

SYSTEM NAME / COUNTY: BUENAVENTURA LAKE / OSCEOLA #785

YEAR OF REPORT December 31, 2000

#### TREATMENT PLANT

Provide a separate sheet for each wastewater treatment facility

i iovide a separa	te sileet for each waste	water troutinoint racinty		
Permitted Capacity (gpd)	1,800,000			
Basis of Permit Capacity (1)	AADF			
Manufacturer	Marolf			
Type (2)	Bardenpho process			
Hydraulic Capacity (gpd)	1,800,000			
Average Daily Flow (mgd)	1.814 (A	verage of Max Month)		
Effluent Disposal (gpd)	1,930,000			
Total Gallons of WW Treated (mg)	599.373			
Method of Effluent Disposal	Wetlands, Golf Course	e irrigation & ground	-	

- (1) Basis of permitted capacity as stated on the Florida DEP WWTP Operating Permit (i.e. average annual daily flow, etc.)
- (2) Contact stabilization, advanced treatment, etc.

# OTHER WASTEWATER SYSTEM INFORMATION

Furnish information below for each system. A se	eparate page s	hould be supplied where necessary	<b>'.</b>
Present number of ERC's * now being served.	7	,684	-
2. Maximum number of ERC's * which can be served.	12,766	**	
** Note: SFR gallons sold is not representative of total www flow at plant	t.		
3. Present system connection capacity (in ERCs*) using	existing lines.	7,910	
4. Future connection capacity (in ERCs*) upon service a	rea buildout.**	9,306	
5. Estimated annual increase in ERCs*48			
<ol> <li>Describe any plans and estimate completion dates for Modifications to headworks, activate Clarifier No March 2002.</li> </ol>		•	
7. If the utility uses reuse as a means of effluent disposa of reuse provided to each, if known.  See Exhib	oit Q-7		
8. If the utility does not engage in reuse, has a reuse feature.	asibility study be	en completed?	
If so, when?			
9. Has the utility been required by DEP or water manage	ment district to	implement reuse? No	
If so, what are the utility's plans to comply	with this requi	reme	
10. When did the company last file a capacity analysis r	eport with the D	DEP? July-00	
11. If the present system does not meet the requiremen	ts of DFP rules:	N/A	
a. Attach a description of the plant upgrade			
b. Have these plans been approved by DEP			
c. When will construction begin?			
d. Attach plans for funding the required upg	grading.		
e. Is this system under any Consent Order	-		
12. Department of Environmental Protection ID #	FL0039446-0	01	

- \* An ERC is determined based on the calculation on S-11
- \*\* Based on meter equivalency factors for ERCs

S-13 20785 SYSTEM 1

# PUMPING AND PURCHASED WATER STATISTICS

MONTH (a)	WATER PURCHASED FOR RESALE (Omit 000's) (b)	FINISHED WATER PUMPED FROM WELLS (Omit 000's) (c)	WATER USED FOR LINE FLUSHING, FIGHTING FIRES, ETC.	TOTAL WATER PUMPED AND PURCHASED (Omit 000's) (b) + (c)-(d)]	WATER SOLD TO CUSTOMERS
January	0	10,364,733	(d)	(e)	(Omit 000's)
February	0		010,000	9,545,673	(f)
March	0	11,213,913	725,570	10,488,343	8,235,298
April	0	14,115,414	694,340	13,421,074	9,273,541
May	0	11,065,086	594,970	10,470,116	- 9,858,220
June	0	10,623,192	2,124,240	8,498,952	12,722,554
July	0	7,540,599	1,044,120	6,496,479	9,705,660
August	0	8,380,323	1,279,990		8,027,146
September	0	7,295,040	1,124,426	7,100,333	6,480,736
October	0	7,296,072	1,006,540	6,170,614	6,588,755
November [	0	8,774,817	1,227,750	6,289,532	5,992,371
December	0	10,154,910	561,340	7,547,067	5,993,333
	9	9,953,490	357,820	9,593,570	6,771,040
Total for year	0	116,777,589	11,560,166	9,595,670	8,619,868
			7,500,100	105,217,423	98,268,522

Water is purchased for Vendor	resale, indicate the following:	
Point of delivery	N/A	
- Lonvol y	N/A	
water is sold to other wa	ater utilities for redistribution, list names of such utilities to	
water is sold to other wa 'A	ater utilities for redistribution, list names of such utilities below:	
water is sold to other wa A	ater utilities for redistribution, list names of such utilities below:	
water is sold to other wa	ater utilities for redistribution, list names of such utilities below:	
water is sold to other wa	ater utilities for redistribution, list names of such utilities below:	

List for each source of supply: Well #1	CAPACITY OF WELL gpm	GALLONS PER DAY FROM SOURCE	TYPE OF
Well #2 Well #3	250 250 250	360,000 360,000	Deep Well

UTILITY NAME: FLORIDA WATER SERVICES
SYSTEM NAME / COUNTY: BURNT STORE / CHARLOTTE #2202

YEAR OF REPORT
December 31, 2000

# WATER TREATMENT PLANT INFORMATION

Provide a separate sheet for each water treatment facility

Capacity of Plant (GPD):	* 567,000	(Max Day Capacity)
Location of measurement		
(I.e. WeilHead, Storage Tank):	WellHead and/o	or Distribution
Type of treatment (reverse osmosis,		
(sedimentation, chemical, aerated, etc.)	Reverse Osmos	sis Membranes
	LIME TREATMENT	
Unit rating (i.e., GPM, pounds	LIME TREATMENT	
Unit rating (i.e., GPM, pounds	LIME TREATMENT  Manufactur	er:
Unit rating (i.e., GPM, pounds		er:
Unit rating (i.e., GPM, pounds	Manufactur	rer:
Unit rating (i.e., GPM, pounds per gallon): N/A	Manufactur	

<sup>\*</sup> Treatment /or Membranes

SYSTEM NAME / COUNTY: BURNT STORE / CHARLOTTE #2202

#### CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL UNITS

METER SIZE (a)	TYPE OF METER* (b)	EQUIVALENT FACTOR (c)	NUMBER OF METERS (d)	TOTAL NUMBER OF METER EQUIVALENTS (c x d) (e)
5/8"	Displacement	1.0	1,336	1,336
3/4"	Displacement	1.5	2	3
1"	Displacement	2.5	62	155
1 1/2"	Displacement or Turbine	5.0	27	135
2"	Displacement, Compound or Turbine	8.0	23	184
3"	Displacement	15.0	0	0
3"	Compound	16.0	0	0
3"	Turbine	17.5	3	53
4"	Displacement or Compound	25.0	0	0
4"	Turbine	30.0	1	30
6"	Displacement or Compound	50.0	0	0
6"	Turbine	62.5	1	63
8"	Compound	80.0	0	0
8"	Turbine	90.0	0	0
10"	Compound	115.0	0	0
10"	Turbine	145.0	0	0
12"	Turbine	215.0	0	0
	Total Water System Meter Equivalents		1,455	1,958

#### CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL CONNECTION

Provide a calculation used to determine the value of one water equivalent residential connection (ERC). Use one of the following methods:

- (a) If actual flow data are available from the preceding 12 months, divide the total annual single family residence (SFR) gallons sold by the average number of single family residence customers for the same period and divide the result by 365 days
- (b) If no historical flow data are available, use:

  ERC = ( Total SER gallons sold (Omit 000) / 365 day

ERC = ( Total SFR gallons sold (Omit 000) / 365 days / 350 gallons per day )

Calculations: (a)		Average		
	SFR Gallons Sold	Customers	Days	ERC
	58,971,076	1,250	366	129

#### OTHER WATER SYSTEM INFORMATION

Furnish information below for each system. A separate page should be	e supplied where necessary.
Present ERC's * that system can efficiently serve.	1,250
2. Maximum number of ERCs * which can be served **	2,199
3. Present system connection capacity (in ERCs *) using existing lines	1,346
4. Future connection capacity (in ERCs *) upon service area buildout.	4,724
5. Estimated annual increase in ERCs *	
6. Is the utility required to have fire flow capacity? Yes	
If so, how much capacity is required? 1250 gpm	
7. Attach a description of the fire fighting facilities. See W-14 Exhibit	Q-7
Describe any plans and estimated completion dates for any enlarge Phase 1 Expansion of RO Water Treatment Plant is 0.5 MGD additions	•
completion scheduled for June 2001. This expansion will increase	plant capacity to 1.0 MGD.
9. When did the company last file a capacity analysis report with the	DEP? N/A
10. If the present system does not meet the requirements of the DEP r	rules: N/A
a. Attach a description of the plnat upgrade necessary to meet the	DEP rules.
b. Have these plans been approved by DEP?	
c. When will construction begin?	
d. Attach plans for funding the required upgrading.	
e. Is this system under any Consent Order with DEP?	
11. Department of Environmental Protection ID #. 50803	318
12. Water Management District Consumptive Use Permit #	203522.05
a. Is the system in compliance with the requirements of the CUP?	Yes,
b. If not, what are the utility's plans to gain compliance?	It should be noted that
withdrawal quantities are dynamic and may fluctuate beyond permitted	
the permit. Permits are reviewed peridically to ascertain whether modif	fications need to be filed with the
water management district.	

An ERC is determined based on the calculation on W-13
 Based on Max day capacity divided by 2 for small systems and 1.5 for large systems or Peak hour capacity divided by 4 for small systems or 3 for large systems. This calculation is not necessarily representative of the maximum ERCs that can be served due to changing peak demands; fire flow requirements; and reliable capacity considerations.

UTILITY NAME: FLORIDA WATER SERVICES
SYSTEM NAME / COUNTY: BURNT STORE / CHARLOTTE #2202

#### CALCULATION OF THE WASTEWATER SYSTEMS EQUIVALENT RESIDENTIAL UNITS

METER SIZE (a)	TYPE OF METER* (b)	EQUIVALENT FACTOR (c)	NUMBER OF WATER METERS (d)	TOTAL NUMBER OF METER EQUIVALENTS (c x d) (e)
5/8"	Displacement	1.0	1,116	1,116
3/4"	Displacement	1.5	1	2
1"	Displacement	2.5	52	130
1 1/2"	Displacement or Turbine	5.0	19	95
2"	Displacement, Compound or Tur	8.0	13	_ 104
3"	Displacement	15.0	0	0
3"	Compound	16.0	0	0
3"	Turbine	17.5	2	35
4"	Displacement or Compound	25.0	0	0
4"	Turbine	30	1	30
6"	Displacement or Compound	50.0	0	0
6"	Turbine	62.5	0	0
8"	Compound	80.0	0	0
8"	Turbine	90.0	0	0
10"	Compound	115.0	0	0
10"	Turbine	145.0	0	0
12"	Turbine	215.0	0	0
	Total Wastewater System Meter E	quivalents		1,512

# CALCULATION OF THE WASTEWATER SYSTEMS EQUIVALENT RESIDENTIAL CONNECTIONS

Provide a calculation used to determine the value of one water equivalent residential connection (ERC Use one of the following methods:

- (a) If actual flow data are available from the preceding 12 months, divide the total annual single fa residence (SFR) gallons sold by the average number of single family residence customers for the sa period and divide the results by 365 days.
- (b) If no historical flow data are available, use:

ERC = ( Total SFR gallons treated (Omit 000) / 365 days / 275 gallons per day )

For wastewater only utilities:

Subtract all general use and other non residential customer gallons from the total gallons treated. Divide the remainder (SFR customers) by 365 days to reveal single family residence customer gallons per day.

NOTE: Total gallons treated includes both treated and purchased treatment.

Calculations:		Average		
	SFR Gallons Sold	Customers	Days	ERC
	37,277,588	1,011	366	101

**UTILITY NAME: FLORIDA WATER SERVICES** 

SYSTEM NAME / COUNTY: BURNT STORE / CHARLOTTE #2202

YEAR OF REPORT December 31, 2000

#### TREATMENT PLANT

Provide a separate sheet for each wastewater treatment facility

1 Tovide a separe	te sheet for each wa	Stewater treatment rading	
Permitted Capacity (gpd)	250,000		
Basis of Permit Capacity (1)	M3MADF		
Manufacturer	DAVCO		
Type (2)	Extended Aeration		
Hydraulic Capacity (gpd)	250,000		
Average Daily Flow (mgd)	0.261	(Average of Max Month)	
Effluent Disposal (gpd)	250,000		
Total Gallons of WW Treated (mg)	66.961		<u> </u>
Method of Effluent Disposal	Percolation Ponds		

- (1) Basis of permitted capacity as stated on the Florida DEP WWTP Operating Permit (i.e. average annual daily flow, etc.)
- (2) Contact stabilization, advanced treatment, etc.

UTILITY NAME: FLORIDA WATER SERVICES
SYSTEM NAME / COUNTY: BURNT STORE / CHARLOTTE #2202

YEAR OF REPORT December 31, 2000

# OTHER WASTEWATER SYSTEM INFORMATION

Furnish information below for each system. A separate page should be supplied where necessary.	
1. Present number of ERC's * now being served. 1,011	
2. Maximum number of ERC's * which can be served. 2,098 **  ** Note: SFR gallons sold is not representative of total www flow at plant.	
3. Present system connection capacity (in ERCs*) using existing lines. 1,193	.5
4. Future connection capacity (in ERCs*) upon service area buildout.** 4,883	
5. Estimated annual increase in ERCs* 168	
6. Describe any plans and estimate completion dates for any enlargements or improvements of this system.  The WWTP is being upgraded and rerated to treat 0.5 MGD for reuse.	
<ul> <li>7. If the utility uses reuse as a means of effluent disposal, attach a list of the reuse end users and the amount of reuse provided to each, if known. N/A</li> <li>8. If the utility does not engage in reuse, has a reuse feasibility study been completed? Yes</li> </ul>	
If so, when? Pending	
9. Has the utility been required by DEP or water management district to implement reuse? No	
If so, what are the utility's plans to comply with this requireme	
10. When did the company last file a capacity analysis report with the DEP?  July-00	
a. Attach a description of the plant upgrade necessary to meet the DEP rules. b. Have these plans been approved by DEP c. When will construction begin? d. Attach plans for funding the required upgrading. e. Is this system under any Consent Order with DEP	-
12. Department of Environmental Protection ID # FLA014083-267014	-

- \* An ERC is determined based on the calculation on S-11
- \*\* Based on meter equivalency factors for ERCs

S-13 22202 SYSTEM 1


# PUMPING AND PURCHASED WATER STATISTICS

монтн	WATER PURCHASED FOR RESALE (Omit 000's)	FINISHED WATER PUMPED FROM WELLS (Omit 000's)	WATER USED FOR LINE FLUSHING, FIGHTING FIRES, ETC.	TOTAL WATER PUMPED AND PURCHASED (Omit 000's) (b) + (c)-(d)]	WATER SOLD TO CUSTOMERS (Omit 000's)
(a)	(b)	(c)	(d)	(e)	(f)
January	0	1,438,200	4,000	1,434,200	1,080,820
February	0	1,577,200	0	1,577,200	1,244,450
March	0	1,978,700	90,000	1,888,700	1,394,540
April	0	1,755,800	371,000	1,384,800	1,467,080
Мау	0	2,533,300	0	2,533,300	1,756,050
June	0	1,786,900	0	1,786,900	2,038,020
July	0	1,416,200	0	1,416,200	1,630,010
August	0	1,423,900	164,000	1,259,900	1,162,330
September	0	1,270,500	80,000	1,190,500	1,341,027
October	0	1,589,100	477,000	1,112,100	1,203,930
November	0	1,520,700	12,000	1,508,700	1,467,920
December	0	1,302,600	24,000	1,278,600	1,302,670
Total for year	o	19,593,100	1,222,000	18,371,100	17,088,847

f water is purchased for	resale, indicate the foll	owing:
Vendor	N/A	
Point of delivery	N/A	
If water is sold to other w N/A	vater utilities for redist	ribution, list names of such utilities below:

	CAPACITY OF WELL	GALLONS PER DAY	TYPE OF
List for each source of supply:	gpm	FROM SOURCE	SOURCE
Well #1	200	288,000	Deep Well
Well # 2	200	288,000	Deep Well

**UTILITY NAME: FLORIDA WATER SERVICES** 

SYSTEM NAME / COUNTY: CARLTON VILLAGE / LAKE #555

YEAR OF REPORT December 31, 2000

# WATER TREATMENT PLANT INFORMATION

Provide a separate sheet for each water treatment facility

Capacity of Plant (GPD):	•	288,000	(Reliable Peak Hour)
Location of measurement			
(I.e. WellHead, Storage Tank):		WellHead and/or Dis	stribution
Type of treatment (reverse osmosis	,		
(sedimentation, chemical, aerated, e	etc,):	Chlorination	The state of the s
	LIME TRE	ATMENT	
	CHAIC LUC	A I IVIEIV I	
Unit rating (i.e., GPM, pounds	CHAIR LIVE	ATWENT	
•	LIMIE TRE	Manufacturer:	
•	FILTRA	Manufacturer:	
•		Manufacturer:	
		Manufacturer:	

<sup>\*</sup> Wells

#### CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL UNITS

METER SIZE (a)	TYPE OF METER* (b)	EQUIVALENT FACTOR	NUMBER OF METERS (d)	TOTAL NUMBER OF METER EQUIVALENTS (c x d) (e)
(4)	(6)	(6)	**	(6)
5/8"	Displacement	1.0	194	194
3/4"	Displacement	1.5	0	0
1"	Displacement	2.5	0	0
1 1/2"	Displacement or Turbine	5.0	0	0
2"	Displacement, Compound or Turbine	8.0	1	8
3"	Displacement	15.0	0	0
3"	Compound	16.0	0	0
3"	Turbine	17.5	0	0
4"	Displacement or Compound	25.0	0	0
4"	Turbine	30.0	0	0
6"	Displacement or Compound	50.0	0	0
6 <b>"</b>	Turbine	62.5	0	0
8"	Compound	80.0	0	0
8"	Turbine	90.0	0	0
10"	Compound	115.0	0	0
10"	Turbine	145.0	0	0
12"	Turbine	215.0	0	0
	Total Water System Meter Equivalents		195	202

# CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL CONNECTION

Provide a calculation used to determine the value of one water equivalent residential connection (ERC). Use one of the following methods:

- (a) If actual flow data are available from the preceding 12 months, divide the total annual single family residence (SFR) gallons sold by the average number of single family residence customers for the same period and divide the result by 365 days.
- (b) If no historical flow data are available, use:

ERC = ( Total SFR gallons sold (Omit 000) / 365 days / 350 gallons per day )

Calculations: (a)		Average		
	SFR Gallons Sold	Customers	Days	ERC
	17,061,867	183	366	255

#### OTHER WATER SYSTEM INFORMATION

Furnish information below for each system.	A separate page should be s	supplied where necessary.
1. Present ERC's * that system can efficien	ntly serve.	183
2. Maximum number of ERCs * which can	be served **	283
3. Present system connection capacity (in E	ERCs *) using existing lines.	344
4. Future connection capacity (in ERCs *) u	ipon service area buildout.	611
5. Estimated annual increase in ERCs *.	0	
6. Is the utility required to have fire flow call f so, how much capacity is re		
7. Attach a description of the fire fighting f	acilities.	
Describe any plans and estimated compl     None	etion dates for any enlargem	ents or improvements of this system.
9. When did the company last file a capacit		
10. If the present system does not meet the	e requirements of the DEP ru	les: N/A
a. Attach a description of the plnat upg	rade necessary to meet the [	DEP rules.
b. Have these plans been approved by I	DEP?	
c. When will construction begin?		
d. Attach plans for funding the required	lupgrading.	
e. Is this system under any Consent Or	der with DEP?	
11. Department of Environmental Protection	n ID #. 335015	2
12. Water Management District Consumptiv	ve Use Permit #	APPL/20690454
a. Is the system in compliance with the red	quirements of the CUP?	Yes,
<ul> <li>b. If not, what are the utility's plans to gain withdrawal quantities are dynamic and ma the permit. Permits are reviewed peridical</li> </ul>	y fluctuate beyond permitted q	
water management district.		

<sup>\*</sup> An ERC is determined based on the calculation on W-13

<sup>\*\*</sup> Based on Max day capacity divided by 2 for small systems and 1.5 for large systems or Peak hour capacity divided by 4 for small systems or 3 for large systems. This calculation is not necessarily representative of the maximum ERCs that can be served due to changing peak demands; fire flow requirements; and reliable capacity considerations.

# **PUMPING AND PURCHASED WATER STATISTICS**

монтн	WATER PURCHASED FOR RESALE (Omit 000's)	FINISHED WATER PUMPED FROM WELLS (Omit 000's)	WATER USED FOR LINE FLUSHING, FIGHTING FIRES, ETC.	TOTAL WATER PUMPED AND PURCHASED (Omit 000's) (b) + (c)-(d)]	WATER SOLD TO CUSTOMERS (Omit 000's)
(a)	(b)	(c)	(d)	(e)	(f)
January	0	4,421,200	6,880	4,414,320	4,605,557
February	0	5,056,300	5,910	5,050,390	4,268,820
March	0	6,432,600	4,570	6,428,030	5,361,458
April	0	6,057,900	7,100	6,050,800	5,815,850
May	0	9,068,600	911,520	8,157,080	6,493,671
June	0	7,239,400	667,400	6,572,000	7,559,979
July	0	5,706,500	577,560	5,128,940	5,117,087
August	0	6,422,600	558,900	5,863,700	4,767,160
September	0	7,200,800	530,800	6,670,000	5,504,688
October	0	6,012,100	510,150	5,501,950	4,385,520
November	0	6,044,500	2,150	6,042,350	4,903,741
December	0	4,982,600	2,720	4,979,880	4,931,360
Total for year	o	74,645,100	3,785,660	70,859,440	63,714,891

p		
If water is purchased	for resale, indicate the follow	ng:
Vendor	N/A	
Point of delivery	N/A	
If water is sold to other	er water utilities for redistribu	tion, list names of such utilities below:
N/A		

	CAPACITY	GALLONS	
	OF WELL	PER DAY	TYPE OF
List for each source of supply:	gpm	FROM SOURCE	SOURCE
Well #1	500	720,000	Deep Well
Well # 2	500	720,000	Deep Well
Well # 3	500	720,000	Deep Well

UTILITY NAME: FLORIDA WATER SERVICES
SYSTEM NAME / COUNTY: CHULUOTA / SEMINOLE #335

YEAR OF REPORT
December 31, 2000

# WATER TREATMENT PLANT INFORMATION

Provide a separate sheet for each water treatment facility

Capacity of Plant (GPD):		* 2,088,000	(Reliable Peak Hour)
Location of measurement			
(I.e. WellHead, Storage Tank):		WellHead and/or	Distribution
Type of treatment (reverse osmosis,			
(sedimentation, chemical, aerated, et	c,):	Chlorination and	Aeration
	LIME TR	EATMENT	
Unit rating (i.e., GPM, pounds	LIME TR	EATMENT	
· •	LIME TR	EATMENT  Manufacturer	:
Unit rating (i.e., GPM, pounds per gallon): N/A			:
per gallon): N/A		Manufacturer	:
•		Manufacturer	

<sup>\*</sup> High Service

#### CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL UNITS

METER SIZE (a)	TYPE OF METER* (b)	EQUIVALENT FACTOR (c)	NUMBER OF METERS (d) **	TOTAL NUMBER OF METER EQUIVALENTS (c x d) (e)
5/8"	Displacement	1.0	770	770
3/4"	Displacement	1.5	0	0
1"	Displacement	2.5	6	15
1 1/2"	Displacement or Turbine	5.0	0	0
2"	Displacement, Compound or Turbine	8.0	8	64
3"	Displacement	15.0	0	0
3"	Compound	16.0	0	0
3"	Turbine	17.5	1	18
4"	Displacement or Compound	25.0	0	0
4"	Turbine	30.0	0	0
6"	Displacement or Compound	50.0	0	0
6"	Turbine	62.5	0	0
8"	Compound	80.0	, o	0
8"	Turbine	90.0	0	0
10"	Compound	115.0	0	0
10"	Turbine	145.0	0	0
12"	Turbine	215.0	0	0
	Total Water System Meter Equivalents		785	867

#### CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL CONNECTION

Provide a calculation used to determine the value of one water equivalent residential connection (ERC). Use one of the following methods:

- (a) If actual flow data are available from the preceding 12 months, divide the total annual single family residence (SFR) gallons sold by the average number of single family residence customers for the same period and divide the result by 365 days
- (b) If no historical flow data are available, use ERC = ( Total SFR gallons sold (Omit 000) / 365 days / 350 gallons per day )

Calculations: (a)		Average		
	SFR Gallons Sold	Customers	Days	ERC
	61,258,171	741	366	226

#### OTHER WATER SYSTEM INFORMATION

Furnish information below for each system. A separate page should be supplied	ed where necessary.
Present ERC's * that system can efficiently serve.	741
2. Maximum number of ERCs * which can be served **	2,311
3. Present system connection capacity (in ERCs *) using existing lines.	1,474
4. Future connection capacity (in ERCs *) upon service area buildout.	2,010
5. Estimated annual increase in ERCs *. 8	
6. Is the utility required to have fire flow capacity? Yes	
If so, how much capacity is required? 600 gpm	
7. Attach a description of the fire fighting facilities. See W-14 Exhibit Q-7	
Describe any plans and estimated completion dates for any enlargements of Construct new (second) 100,000 gal. ground storage tank, install new (third) 1,000 gal.	·
install new plant finished water meter assembly and convert existing gas ch	nlorine system to liquid.
All improvements to be completed by end of 2001.	
9. When did the company last file a capacity analysis report with the DEP?	N/A
10. If the present system does not meet the requirements of the DEP rules:	N/A
a. Attach a description of the plnat upgrade necessary to meet the DEP ru	les.
b. Have these plans been approved by DEP?	
c. When will construction begin?	
d. Attach plans for funding the required upgrading.	
e. Is this system under any Consent Order with DEP?	
11. Department of Environmental Protection ID #. 3590186	
12. Water Management District Consumptive Use Permit #	8362
a. Is the system in compliance with the requirements of the CUP?	Yes,
b. If not, what are the utility's plans to gain compliance?	It should be noted that
withdrawal quantities are dynamic and may fluctuate beyond permitted quantitie	
the permit. Permits are reviewed peridically to ascertain whether modifications	need to be filed with the
water management district.	

An ERC is determined based on the calculation on W-13
 Based on Max day capacity divided by 2 for small systems and 1.5 for large systems or Peak hour capacity divided by 4 for small systems or 3 for large systems. This calculation is not necessarily representative of the maximum ERCs that can be served due to changing peak demands; fire flow requirements; and reliable capacity considerations.

SYSTEM NAME / COUNTY: CHULUOTA / SEMINOLE #335

YEAR OF REPORT December 31, 2000

#### CALCULATION OF THE WASTEWATER SYSTEMS EQUIVALENT RESIDENTIAL UNITS

METER SIZE (a)	TYPE OF METER* (b)	EQUIVALENT FACTOR (c)	NUMBER OF WATER METERS (d)	TOTAL NUMBER OF METER EQUIVALENTS (c x d) (e)
5/8"	Displacement	1.0	166	166
3/4"	Displacement	1.5	0	0
1"	Displacement	2.5	0	0
1 1/2"	Displacement or Turbine	5.0	0	0
2"	Displacement, Compound or Tur	8.0	0	. 0
3"	Displacement	15.0	0	0
3"	Compound	16.0	0	0
3"	Turbine	17.5	0	0
4"	Displacement or Compound	25.0	0	0
4"	Turbine	30	0	0
6"	Displacement or Compound	50.0	0	0
6"	Turbine	62.5	0	0
8"	Compound	80.0	0	0
8"	Turbine	90.0	. 0	0
10"	Compound	115.0	0	0
10"	Turbine	145.0	0	0
12"	Turbine	215.0	0	0
	Total Wastewater System Meter E	quivalents		166

# **CALCULATION OF THE WASTEWATER SYSTEMS EQUIVALENT RESIDENTIAL CONNECTIONS**

Provide a calculation used to determine the value of one water equivalent residential connection (ERC Use one of the following methods:

- (a) If actual flow data are available from the preceding 12 months, divide the total annual single fa residence (SFR) gallons sold by the average number of single family residence customers for the sa period and divide the results by 365 days.
- (b) If no historical flow data are available, use:

ERC = ( Total SFR gallons treated (Omit 000) / 365 days / 275 gallons per day )

For wastewater only utilities:

Subtract all general use and other non residential customer gallons from the total gallons treated. Divide the remainder (SFR customers) by 365 days to reveal single family residence customer gallons per day.

NOTE: Total gallons treated includes both treated and purchased treatment.

Calculations:		Average		
	SFR Gallons Sold	Customers	Days	ERC
	7,664,962	156	366	134

**UTILITY NAME: FLORIDA WATER SERVICES** 

SYSTEM NAME / COUNTY: CHULUOTA / SEMINOLE #335

YEAR OF REPORT December 31, 2000

#### TREATMENT PLANT

Provide a separate sheet for each wastewater treatment facility

Provide a separate sheet for each wastewater treatment facility				
	100,000			
Permitted Capacity (gpd)	100,000			
Basis of Permit Capacity (1)	AADF			
Manufacturer	Custom Made			
Type (2)	<b>Extended Aeration</b>			
Hydraulic Capacity (gpd)	100,000			
Average Daily Flow (mgd)	0.038	(Average of Max Month)		
Effluent Disposal (gpd)	100,000			
Total Gallons of WW Treated (mg)	8.171			
Method of Effluent Disposal	Spray Irrigation		•	

- (1) Basis of permitted capacity as stated on the Florida DEP WWTP Operating Permit (i.e. average annual daily flow, etc.)
- (2) Contact stabilization, advanced treatment, etc.

UTILITY NAME: FLORIDA WATER SERVICES
SYSTEM NAME / COUNTY: CHULUOTA / SEMINOLE #335

YEAR OF REPORT December 31, 2000

# **OTHER WASTEWATER SYSTEM INFORMATION**

Furnish information below for each system. A separate page should be supplied where necessary.	
1. Present number of ERC's * now being served. 156	
2. Maximum number of ERC's * which can be served. 746  **  Note: SFR gallons sold is not representative of total www flow at plant.	
3. Present system connection capacity (in ERCs*) using existing lines.	
4. Future connection capacity (in ERCs*) upon service area buildout.** 799	
5. Estimated annual increase in ERCs*5	
6. Describe any plans and estimate completion dates for any enlargements or improvements of this system.  None	
<ul> <li>7. If the utility uses reuse as a means of effluent disposal, attach a list of the reuse end users and the amount of reuse provided to each, if known. N/A</li> <li>8. If the utility does not engage in reuse, has a reuse feasibility study been completed? No</li> </ul>	
If so, when?	
9. Has the utility been required by DEP or water management district to implement reuse? No	
If so, what are the utility's plans to comply with this requireme	
10. When did the company last file a capacity analysis report with the DEP?  June-96	
a. Attach a description of the plant upgrade necessary to meet the DEP rules. b. Have these plans been approved by DEP c. When will construction begin? d. Attach plans for funding the required upgrading. e. Is this system under any Consent Order with DEP	
12. Department of Environmental Protection ID # FLA011076	

- \* An ERC is determined based on the calculation on S-11
- \*\* Based on meter equivalency factors for ERCs

S-13 20335 SYSTEM 1

# **PUMPING AND PURCHASED WATER STATISTICS**

	WATER	FINISHED	FOR LINE	PUMPED AND	WATER SOLD
	PURCHASED	WATER PUMPED	FLUSHING,	PURCHASED	то
	FOR RESALE	FROM WELLS	FIGHTING	(Omit 000's)	CUSTOMERS
MONTH	(Omit 000's)	(Omit 000's)	FIRES, ETC.	(b) + (c)-(d)]	(Omit 000's)
(a)	(b)	(c)	(d)	(e)	(f)
January	0	2,598,000	405,290	2,192,710	1,905,710
February	0	2,657,700	266,780	2,390,920	1,954,270
March	0	3,050,700	183,838	2,866,862	2,339,280
April	o	2,550,500	727,060	1,823,440	2,406,001
May	0	4,024,000	880,930	3,143,070	2,445,690
June	0	3,063,900	859,650	2,204,250	3,706,620
July	0	2,450,700	95,490	2,355,210	2,441,400
August	0	2,421,400	62,100	2,359,300	1,850,990
September	0	2,106,200	70,720	2,035,480	2,260,068
October	0	2,544,700	59,890	2,484,810	1,843,830
November	0	2,572,800	175,080	2,397,720	2,189,579
December	0	2,452,400	271,780	2,180,620	2,260,711
Total for year	0	32,493,000	4,058,608	28,434,392	27,604,149

If water is purchased for r	esale, indicate the foll	owing:	
Vendor	N/A		
Point of delivery	N/A		
If water is sold to other w	ater utilities for redist	ibution, list names of such utilities below:	
N/A			

	CAPACITY	GALLONS	
	OF WELL	PER DAY	TYPE OF
List for each source of supply:	gpm	FROM SOURCE	SOURCE
Well #1	148	213,120	Deep Well
Well # 2	137	197,280	Deep Well

UTILITY NAME: FLORIDA WATER SERVICES

SYSTEM NAME / COUNTY: CITRUS PARK / MARION #1117

YEAR OF REPORT
December 31, 2000

#### WATER TREATMENT PLANT INFORMATION

Provide a separate sheet for each water treatment facility

Capacity of Plant (GPD):	* 197,280	(Reliable Peak Hour)
Location of measurement		
(I.e. WellHead, Storage Tank):	WellHead and/or	Distribution
Type of treatment (reverse osmosis,		
(sedimentation, chemical, aerated, etc.):	Chlorination	
LIME	TREATMENT	
Unit rating (i.e., GPM, pounds		
•	Manufacture	r:
	Manufacturer	r:
per gallon): N/A		r:
per gallon): N/A	ILTRATION	

<sup>\*</sup> Wells

#### CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL UNITS

METER SIZE (a)	TYPE OF METER* (b)	EQUIVALENT FACTOR (o)	NUMBER OF METERS (d) **	TOTAL NUMBER OF METER EQUIVALENTS (c x d) - (e)
5/8"	Displacement	1.0	372	372
3/4"	Displacement	1.5	0	0
1"	Displacement	2.5	0	00
1 1/2"	Displacement or Turbine	5.0	0	0
2"	Displacement, Compound or Turbine	8.0	o	0
3"	Displacement	15.0	0	0
3"	Compound	16.0	0	0
3"	Turbine	17.5	0	0
4"	Displacement or Compound	25.0	0	0
4"	Turbine	30.0	0	0
6"	Displacement or Compound	50.0	0	0
6"	Turbine	62.5	0	0
8"	Compound	80.0	0	0
8"	Turbine	90.0	0	0
10"	Compound	115.0	0	0
10"	Turbine	145.0	0	0
12"	Turbine	215.0	0	0
	Total Water System Meter Equivalents		372	372

#### CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL CONNECTION

Provide a calculation used to determine the value of one water equivalent residential connection (ERC). Use one of the following methods:

- (a) If actual flow data are available from the preceding 12 months, divide the total annual single family residence (SFR) gallons sold by the average number of single family residence customers for the same period and divide the result by 365 days
- (b) If no historical flow data are available, use ERC = ( Total SFR gallons sold (Omit 000) / 365 days / 350 gallons per day )

Calculations: (a)		Average		
	SFR Gallons Sold	Customers	Days	ERC
	25,242,807	343	366	201
	•			

#### OTHER WATER SYSTEM INFORMATION

Furnish information below for each system. A separate page should be supplied w	here necessary.
Present ERC's * that system can efficiently serve.	343
2. Maximum number of ERCs * which can be served **	245
3. Present system connection capacity (in ERCs *) using existing lines.	349
4. Future connection capacity (in ERCs *) upon service area buildout.	349
5. Estimated annual increase in ERCs *.	
6. Is the utility required to have fire flow capacity? No	
If so, how much capacity is required?	
7. Attach a description of the fire fighting facilities.	
Describe any plans and estimated completion dates for any enlargements or im	provements of this system.
When did the company last file a capacity analysis report with the DEP?	N/A
10. If the present system does not meet the requirements of the DEP rules:	N/A
a. Attach a description of the plnat upgrade necessary to meet the DEP rules.	
b. Have these plans been approved by DEP?	
c. When will construction begin?	
d. Attach plans for funding the required upgrading.	
e. Is this system under any Consent Order with DEP?	
11. Department of Environmental Protection ID #. 3420119	
12. Water Management District Consumptive Use Permit #	2-083-0302AUV
a. Is the system in compliance with the requirements of the CUP?	Yes,
b. If not, what are the utility's plans to gain compliance?	It should be noted that
withdrawal quantities are dynamic and may fluctuate beyond permitted quantities d	uring the duration of
the permit. Permits are reviewed peridically to ascertain whether modifications nee	d to be filed with the
water management district.	

<sup>\*</sup> An ERC is determined based on the calculation on W-13

<sup>\*\*</sup> Based on Max day capacity divided by 2 for small systems and 1.5 for large systems or Peak hour capacity divided by 4 for small systems or 3 for large systems. This calculation is not necessarily representative of the maximum ERCs that can be served due to changing peak demands; fire flow requirements; and reliable capacity considerations.

UTILITY NAME: FLORIDA WATER SERVICES
SYSTEM NAME / COUNTY: CITRUS PARK / MARION #1117

# CALCULATION OF THE WASTEWATER SYSTEMS EQUIVALENT RESIDENTIAL UNITS

METER SIZE (a)	TYPE OF METER* (b)	EQUIVALENT FACTOR (c)	NUMBER OF WATER METERS (d)	TOTAL NUMBER OF METER EQUIVALENTS (c x d) (e)		
5/8"	Displacement	1.0	273	273		
3/4"	Displacement	1.5	0	0		
1"	Displacement	2.5	0	0		
1 1/2"	Displacement or Turbine	5.0	0	0		
2"	Displacement, Compound or Tur	8.0	0	_ 0		
3"	Displacement	15.0	0	0		
3"	Compound	16.0	0	0		
3"	Turbine	17.5	0	0		
4"	Displacement or Compound	25.0	0	0		
4"	Turbine	30	0	0		
6"	Displacement or Compound	50.0	0	0		
6"	Turbine	62.5	0	0		
8"	Compound	80.0	0	0		
8"	Turbine	90.0	0	0		
10"	Compound	115.0	0	0		
10"	Turbine	145.0	0	0		
12"	Turbine	215.0	0	0		
	Total Wastewater System Meter Equivalents					

# CALCULATION OF THE WASTEWATER SYSTEMS EQUIVALENT RESIDENTIAL CONNECTIONS

Provide a calculation used to determine the value of one water equivalent residential connection (ERC Use one of the following methods:

- (a) If actual flow data are available from the preceding 12 months, divide the total annual single fa residence (SFR) gallons sold by the average number of single family residence customers for the sa period and divide the results by 365 days.
- (b) If no historical flow data are available, use:

ERC = ( Total SFR gallons treated (Omit 000) / 365 days / 275 gallons per day )

For wastewater only utilities:

Subtract all general use and other non residential customer gallons from the total gallons treated. Divide the remainder (SFR customers) by 365 days to reveal single family residence customer gallons per day.

NOTE: Total gallons treated includes both treated and purchased treatment.

Calculations:	Average			
	SFR Gallons Sold	Customers	Days	ERC
	11,780,603	266	366	121
	11,780,603	266	366	121
11,780	),603	266	366	121

**UTILITY NAME: FLORIDA WATER SERVICES** 

SYSTEM NAME / COUNTY: CITRUS PARK / MARION #1117

YEAR OF REPORT December 31, 2000

#### TREATMENT PLANT

Provide a separate sheet for each wastewater treatment facility

1.01.00 0 0000.0	10 011001 101 00011 110	Stowator troutimont ruomit	
Permitted Capacity (gpd)	64,000		
Basis of Permit Capacity (1)	M3MADF		
Manufacturer	DAVCO		
Type (2)	Extended Aeration		
Hydraulic Capacity (gpd)	64,000		
Average Daily Flow (mgd)	0.055	(Average of Max Month)	
Effluent Disposal (gpd)	64,000		
Total Gallons of WW Treated (mg)	15.046		
Method of Effluent Disposal	Ponds & Spray Irrig	ation	<u>.</u>

<sup>(1)</sup> Basis of permitted capacity as stated on the Florida DEP WWTP Operating Permit (i.e. average annual daily flow, etc.)

<sup>(2)</sup> Contact stabilization, advanced treatment, etc.

YEAR OF REPORT December 31, 2000

UTILITY NAME: FLORIDA WATER SERVICES
SYSTEM NAME / COUNTY: CITRUS PARK / MARION #1117

# OTHER WASTEWATER SYSTEM INFORMATION

Furnish information below for each system. A se	parate page should be supplied where necessary.
Present number of ERC's * now being served.	266
Maximum number of ERC's * which can be served.     ** Note: SFR gallons sold is not representative of total www flow at plant.	441 **
3. Present system connection capacity (in ERCs*) using	
4. Future connection capacity (in ERCs*) upon service ar	ea buildout.** 275
5. Estimated annual increase in ERCs*0	
6. Describe any plans and estimate completion dates for Excess tankage from WWTP is being demolished.	
7. If the utility uses reuse as a means of effluent disposa of reuse provided to each, if known. N/A	l, attach a list of the reuse end users and the amount
8. If the utility does not engage in reuse, has a reuse fea-	sibility study been completed? No
If so, when?	
9. Has the utility been required by DEP or water manager	ment district to implement reuse? No
If so, what are the utility's plans to comply w	vith this requireme
10. When did the company last file a capacity analysis re	eport with the DEP? February-00
<ul> <li>11. If the present system does not meet the requirement</li> <li>a. Attach a description of the plant upgrade</li> <li>b. Have these plans been approved by DEP_</li> <li>c. When will construction begin?</li> <li>d. Attach plans for funding the required upg</li> <li>e. Is this system under any Consent Order of</li> </ul>	necessary to meet the DEP rules.
12. Department of Environmental Protection ID #	FLA010767

- \* An ERC is determined based on the calculation on S-11
- \*\* Based on meter equivalency factors for ERCs

S-13 21117 SYSTEM 1

# **PUMPING AND PURCHASED WATER STATISTICS**

			WATER USED	TOTAL WATER	
	WATER	FINISHED	FOR LINE	PUMPED AND	WATER SOLD
	PURCHASED	WATER PUMPED	FLUSHING,	PURCHASED	то
	FOR RESALE	FROM WELLS	FIGHTING	(Omit 000's)	CUSTOMERS
MONTH	(Omit 000's)	(Omit 000's)	FIRES, ETC.	(b) + (c)-(d)]	(Omit 000's)
(a)	(b)	(c)	(d)	(e)	(f)
January	0	805,800	555,620	250,180	276,435
February	0	903,700	34,010	869,690	604,381
March	0	1,007,400	570,300	437,100	639,494
April	0	594,500	14,010	580,490	733,404
May	0	416,500	13,500	403,000	450,716
June	0	331,100	13,740	317,360	391,644
July	0	366,100	14,380	351,720	303,553
August	0	436,100	83,460	352,640	342,402
September	0	370,700	40,940	329,760	383,278
October	0	567,300	348,640	218,660	356,183
November	o	639,900	252,800	387,100	427,133
December	0	643,200	820	642,380	888,552
Total for year	o	7,082,300	1,942,220	5,140,080	5,797,175

<u> </u>		
If water is purchased for i	resale, indicate the follow	vina:
Vendor	N/A	
Point of delivery	N/A	
<u>}</u>	ater utilities for redistrib	ution, list names of such utilities below:
N/A		

	CAPACITY	GALLONS	
	OF WELL	PER DAY	TYPE OF
List for each source of supply:	gpm	FROM SOURCE	SOURCE
Well #1	300	432,000	Deep Well
Well # 2	50	72,000	Deep Well

YEAR OF REPORT December 31, 2000

# WATER TREATMENT PLANT INFORMATION

Provide a separate sheet for each water treatment facility

Capacity of Plant (GPD):	* 72,000	(Reliable Max Day Capacity)
Location of measurement		
(I.e. WellHead, Storage Tank):	WellHead and/or	Distribution
Type of treatment (reverse osmosis,		
(sedimentation, chemical, aerated, etc,):	Chlorination and	Aeration
L	IME TREATMENT	
L Unit rating (i.e., GPM, pounds	IME TREATMENT	
Unit rating (i.e., GPM, pounds	IME TREATMENT  Manufacturer	:
Unit rating (i.e., GPM, pounds		·:
Unit rating (i.e., GPM, pounds per gallon): N/A	Manufacturer	:
Unit rating (i.e., GPM, pounds per gallon):  N/A  Type and size of area:	Manufacturer	

<sup>\*</sup> Wells

#### CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL UNITS

METER SIZE (a)	TYPE OF METER* (b)	EQUIVALENT FACTOR (c)	NUMBER OF METERS (d) **	TOTAL NUMBER OF METER EQUIVALENTS (c x d) (e)
5/8"	Displacement	1.0	270	270
3/4"	Displacement	1.5	1	2
1"	Displacement	2.5	0	0
1 1/2"	Displacement or Turbine	5.0	0	0
2"	Displacement, Compound or Turbine	8.0	0	0
3"	Displacement	15.0	0	0
3"	Compound	16.0	0	0
3"	Turbine	17.5	0	0
4"	Displacement or Compound	25.0	0	0
4"	Turbine	30.0	0	0
6"	Displacement or Compound	50.0	0	0
6"	Turbine	62.5	0	0
8"	Compound	80.0	0	0
8"	Turbine	90.0	0	0
10"	Compound	115.0	0	0
10"	Turbine	145.0	0	0
12"	Turbine	215.0	0	0
	Total Water System Meter Equivalents		271	272

#### CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL CONNECTION

Provide a calculation used to determine the value of one water equivalent residential connection (ERC). Use one of the following methods:

- (a) If actual flow data are available from the preceding 12 months, divide the total annual single family residence (SFR) gallons sold by the average number of single family residence customers for the same period and divide the result by 365 days.
- (b) If no historical flow data are available, use:

ERC = ( Total SFR gallons sold (Omit 000) / 365 days / 350 gallons per day )

	Average		
SFR Gallons Sold	Customers	Days	ERC
5,826,294	256	366	62
		SFR Gallons Sold Customers	SFR Gallons Sold Customers Days

# OTHER WATER SYSTEM INFORMATION

Furnish information below for each system. A separate page should be supplied w	here necessary.
1. Present ERC's * that system can efficiently serve.	256
2. Maximum number of ERCs * which can be served **	579
3. Present system connection capacity (in ERCs *) using existing lines.	370
4. Future connection capacity (in ERCs *) upon service area buildout.	370
5. Estimated annual increase in ERCs *. 3	
6. Is the utility required to have fire flow capacity? Yes  If so, how much capacity is required? 500 gpm	
7. Attach a description of the fire fighting facilities. See W-14 Exhibit Q-7	
Describe any plans and estimated completion dates for any enlargements or im- None	provements of this system.
9. When did the company last file a capacity analysis report with the DEP?	N/A
10. If the present system does not meet the requirements of the DEP rules:	N/A
a. Attach a description of the plnat upgrade necessary to meet the DEP rules.	
b. Have these plans been approved by DEP?	
c. When will construction begin?	
d. Attach plans for funding the required upgrading.	
e. Is this system under any Consent Order with DEP?	
11. Department of Environmental Protection ID #. 6280064	
12. Water Management District Consumptive Use Permit #	MOD/206456.02
a. Is the system in compliance with the requirements of the CUP?	Yes,
b. If not, what are the utility's plans to gain compliance? withdrawal quantities are dynamic and may fluctuate beyond permitted quantities d	It should be noted that uring the duration of
the permit. Permits are reviewed peridically to ascertain whether modifications nee	d to be filed with the
water management district.	

<sup>\*</sup> An ERC is determined based on the calculation on W-13

<sup>\*\*</sup> Based on Max day capacity divided by 2 for small systems and 1.5 for large systems or Peak hour capacity divided by 4 for small systems or 3 for large systems. This calculation is not necessarily representative of the maximum ERCs that can be served due to changing peak demands; fire flow requirements; and reliable capacity considerations.

SYSTEM NAME / COUNTY: COVERED BRIDGE / HIGHLANDS #2401

YEAR OF REPORT December 31, 2000

### CALCULATION OF THE WASTEWATER SYSTEMS EQUIVALENT RESIDENTIAL UNITS

METER SIZE (a)	TYPE OF METER* (b)	EQUIVALENT FACTOR (c)	NUMBER OF WATER METERS (d)	TOTAL NUMBER OF METER EQUIVALENTS (c x d) (e)			
5/8"	Displacement	1.0	256	256			
3/4"	Displacement	1.5	0	0			
1"	Displacement	2.5	0	0			
1 1/2"	Displacement or Turbine	5.0	0	_ 0			
2"	Displacement, Compound or Tur	8.0	0	0			
3"	Displacement	15.0	0	0			
3"	Compound	16.0	0	0			
3"	Turbine	17.5	0	0			
4"	Displacement or Compound	25.0	0	0			
4"	Turbine	30	0	0			
6"	Displacement or Compound	50.0	0	0			
6"	Turbine	62.5	0	0			
8"	Compound	80.0	0	0			
8"	Turbine	90.0	0	0			
10"	Compound	115.0	0	0			
10"	Turbine	145.0	0	0			
12"	Turbine	215.0	0	0			
	Total Wastewater System Meter Equivalents						

# CALCULATION OF THE WASTEWATER SYSTEMS EQUIVALENT RESIDENTIAL CONNECTIONS

Provide a calculation used to determine the value of one water equivalent residential connection (ERC Use one of the following methods:

- (a) If actual flow data are available from the preceding 12 months, divide the total annual single fa residence (SFR) gallons sold by the average number of single family residence customers for the sa period and divide the results by 365 days.
- (b) If no historical flow data are available, use:

ERC = ( Total SFR gallons treated (Omit 000) / 365 days / 275 gallons per day )

For wastewater only utilities:

Subtract all general use and other non residential customer gallons from the total gallons treated. Divide the remainder (SFR customers) by 365 days to reveal single family residence customer gallons per day.

NOTE: Total gallons treated includes both treated and purchased treatment.

Calculations:		Average		
	SFR Gallons Sold	Customers	Days	ERC
	5,405,024	243	366	61

**UTILITY NAME: FLORIDA WATER SERVICES** 

SYSTEM NAME / COUNTY: COVERED BRIDGE / HIGHLANDS #2401

YEAR OF REPORT December 31, 2000

# TREATMENT PLANT

Provide a separate sheet for each wastewater treatment facility

Permitted Capacity (gpd)	50,000		
Basis of Permit Capacity (1)	AADF		
Manufacturer	DEFIANCE		
Type (2)	Extended Aeration		
Hydraulic Capacity (gpd)	50,000		
Average Daily Flow (mgd)	0.020	(Average of Max Month)	
Effluent Disposal (gpd)	50,000		
Total Gallons of WW Treated (mg)	6.079		-
Method of Effluent Disposal	Percolation Ponds		

<sup>(1)</sup> Basis of permitted capacity as stated on the Florida DEP WWTP Operating Permit (i.e. average annual daily flow, etc.)

<sup>(2)</sup> Contact stabilization, advanced treatment, etc.

	Stephenson and the second		

YEAR OF REPORT December 31, 2000

# OTHER WASTEWATER SYSTEM INFORMATION

Furnish information below for each system. A separate page should be supplied where necessary.
1. Present number of ERC's * now being served. 243
2. Maximum number of ERC's * which can be served820 **
** Note: SFR gallons sold is not representative of total www flow at plant.
3. Present system connection capacity (in ERCs*) using existing lines. 372
4. Future connection capacity (in ERCs*) upon service area buildout.** 372
5. Estimated annual increase in ERCs*1
Describe any plans and estimate completion dates for any enlargements or improvements of this system.  None
<ul> <li>7. If the utility uses reuse as a means of effluent disposal, attach a list of the reuse end users and the amount of reuse provided to each, if known. N/A</li> <li>8. If the utility does not engage in reuse, has a reuse feasibility study been completed? No</li> <li>If so, when?</li> </ul>
9. Has the utility been required by DEP or water management district to implement reuse? No
If so, what are the utility's plans to comply with this requireme
10. When did the company last file a capacity analysis report with the DEP? N/A
<ul> <li>11. If the present system does not meet the requirements of DEP rules:N/A</li> <li>a. Attach a description of the plant upgrade necessary to meet the DEP rules.</li> <li>b. Have these plans been approved by DEP</li> <li>c. When will construction begin?</li> <li>d. Attach plans for funding the required upgrading.</li> </ul>
e. Is this system under any Consent Order with DEP
12. Department of Environmental Protection ID # FLA014388-001-DW3P

<sup>\*</sup> An ERC is determined based on the calculation on S-11

<sup>\*\*</sup> Based on meter equivalency factors for ERCs

# **PUMPING AND PURCHASED WATER STATISTICS**

	WATER	FINISHED	WATER USED FOR LINE	TOTAL WATER PUMPED AND	WATER SOLD
	PURCHASED	WATER PUMPED	FLUSHING,	PURCHASED	то
	FOR RESALE	FROM WELLS	FIGHTING	(Omit 000's)	CUSTOMERS
MONTH	(Omit 000's)	(Omit 000's)	FIRES, ETC.	(b) + (c)-(d)]	(Omit 000's)
(a)	(b)	(c)	(d)	(e)	(f)
January	23,292,000	0	150,230	23,141,770	20,395,109
February	23,229,000	0	199,520	23,029,480	21,352,173
March	26,529,000	0	947,790	25,581,210	21,995,287
April	24,888,000	0	707,170	24,180,830	24,168,713
May	26,303,000	0	686,190	25,616,810	24,054,967
June	21,000,000	0	2,198,190	18,801,810	24,090,991
July	19,783,000	0	1,017,680	18,765,320	19,153,528
August	20,833,000	0	673,380	20,159,620	17,920,912
September	20,188,000	0	1,208,215	18,979,785	20,338,466
October	22,598,000	0	2,195,488	20,402,512	16,916,316
November	22,958,000	0	349,215	22,608,785	19,162,034
December	23,184,000	0	484,941	22,699,059	21,500,561
Total for year	274,785,000	0	10,818,009	263,966,991	251,049,057
Total for year	274,783,000		10,018,003	203,300,3311	201,040,007

If water is purchased for resale,	indicate the following:
Vendor	Peace River/Manasota Regional Water Supply Authority
Point of delivery	10" Badger Meter
If water is sold to other water ut N/A	ilities for redistribution, list names of such utilities below:

	CAPACITY OF WELL	GALLONS PER DAY	TYPE OF
Link from a colling common of committee			
List for each source of supply:	gpm	FROM SOURCE	SOURCE
Purchased from Charlotte County Utilities			

UTILITY NAME: FLORIDA WATER SERVICES
SYSTEM NAME / COUNTY: DEEP CREEK / CHARLOTTE #2201

YEAR OF REPORT December 31, 2000

# WATER TREATMENT PLANT INFORMATION

Provide a separate sheet for each water treatment facility

Capacity of Plant (GPD):	_	N/A	
Location of measurement			
(I.e. WeliHead, Storage Tank):	_	N/A	
Type of treatment (reverse osmosis,			
(sedimentation, chemical, aerated, etc	c,):	N/A	
	LIME TREAT	TAREST.	
	LIME INEA	IMENI	
Unit rating (i.e., GPM, pounds	LIME TREAT	IMENI	
Unit rating (i.e., GPM, pounds per gallon): N/A	LIME TREAT	Manufacturer:	
•	FILTRAT	Manufacturer:	
•		Manufacturer:	
per gallon): N/A		Manufacturer:	

### **CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL UNITS**

METER Size	TYPE OF METER*	EQUIVALENT FACTOR	NUMBER OF METERS	TOTAL NUMBER OF METER EQUIVALENTS (c x d)
(a)	(b)	(c)	(d) **	(e)
5/8"	Displacement	1.0	3,292	3,292
3/4"	Displacement	1.5	12	18
1"	Displacement	2.5	64	160
1 1/2"	Displacement or Turbine	5.0	31	155
2"	Displacement, Compound or Turbine	8.0	19	152
3"	Displacement	15.0	0	0
3"	Compound	16.0	0	0
3"	Turbine	17.5	0	0
4"	Displacement or Compound	25.0	0	0
4"	Turbine	30.0	0	0
6"	Displacement or Compound	50.0	0	0
6"	Turbine	62.5	2	125
8"	Compound	80.0	0	0
8"	Turbine	90.0	1	90
10"	Compound	115.0	0	0
10"	Turbine	145.0	0	0
12"	Turbine	215.0	0	0
	Total Water System Meter Equivalents		3,421	3,992

# CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL CONNECTION

Provide a calculation used to determine the value of one water equivalent residential connection (ERC). Use one of the following methods:

- (a) If actual flow data are available from the preceding 12 months, divide the total annual single family residence (SFR) gallons sold by the average number of single family residence customers for the same period and divide the result by 365 days
- (b) If no historical flow data are available, use ERC = ( Total SFR gallons sold (Omit 000) / 365 days / 350 gallons per day )

Calculations: (a)		Average		
	SFR Gallons Sold	Customers	Days	ERC
	204,054,877	3,251	366	171

# OTHER WATER SYSTEM INFORMATION

Furni	ish information below for each system. A separate page should be supplied wh	nere necessary.
1. P	resent ERC's * that system can efficiently serve.	3,251
2. N	Maximum number of ERCs * which can be served **	N/A
3. P	resent system connection capacity (in ERCs *) using existing lines.	3,783
4. F	uture connection capacity (in ERCs *) upon service area buildout.	8,144
5. E	stimated annual increase in ERCs *. 56	
6. Is	If so, how much capacity is required?	
7. A	Attach a description of the fire fighting facilities.	
	Describe any plans and estimated completion dates for any enlargements or imp on investigation is being made this year to establish the best means of improving rep	
	n the distribution system. Potential solutions include a second interconnect to t	
	vater distribution system or the elimination of the pressure drop caused by back	kflow prevention at the
9. V	When did the company last file a capacity analysis report with the DEP?	N/A
10.	If the present system does not meet the requirements of the DEP rules:	N/A
ε	a. Attach a description of the plnat upgrade necessary to meet the DEP rules.	
k	b. Have these plans been approved by DEP?	
c	c. When will construction begin?	
c	d. Attach plans for funding the required upgrading.	
6	e. Is this system under any Consent Order with DEP?	
11.	Department of Environmental Protection ID #. N/A	
12.	Water Management District Consumptive Use Permit #	N/A
	a. Is the system in compliance with the requirements of the CUP?	
-	b. If not, what are the utility's plans to gain compliance?	
-		
1		

<sup>\*</sup> An ERC is determined based on the calculation on W-13

<sup>\*\*</sup> Based on Max day capacity divided by 2 for small systems and 1.5 for large systems or Peak hour capacity divided by 4 for small systems or 3 for large systems. This calculation is not necessarily representative of the maximum ERCs that can be served due to changing peak demands; fire flow requirements; and reliable capacity considerations.

UTILITY NAME: FLORIDA WATER SERVICES
SYSTEM NAME / COUNTY: DEEP CREEK / CHARLOTTE # 2201

# CALCULATION OF THE WASTEWATER SYSTEMS EQUIVALENT RESIDENTIAL UNITS

			NUMBER	TOTAL NUMBER OF METER
METER	TYPE OF	EQUIVALENT	OF WATER	EQUIVALENTS
SIZE	METER*	FACTOR	METERS	(c x d)
(a)	(b)	(c)	(d)	(e)
5/8"	Displacement	1.0	3,360	3,360
3/4"	Displacement	1.5	2	3
1"	Displacement	2.5	63	158
1 1/2"	Displacement or Turbine	5.0	31	155
2"	Displacement, Compound or Tur	8.0	15	_ 120
3"	Displacement	15.0	0	0
3"	Compound	16.0	0	0
3"	Turbine	17.5	1	18
4"	Displacement or Compound	25.0	0	0
4"	Turbine	30	0	0
6"	Displacement or Compound	50.0	0	0
6"	Turbine	62.5	3	188
8"	Compound	80.0	0	0
8"	Turbine	90.0	1	90
10"	Compound	115.0	0	0
10"	Turbine	145.0	0	0
12"	Turbine	215.0	0	0
	Total Wastewater System Meter E	quivalents		4,091

# CALCULATION OF THE WASTEWATER SYSTEMS EQUIVALENT RESIDENTIAL CONNECTIONS

Provide a calculation used to determine the value of one water equivalent residential connection (ERC Use one of the following methods:

- (a) If actual flow data are available from the preceding 12 months, divide the total annual single fa residence (SFR) gallons sold by the average number of single family residence customers for the sa period and divide the results by 365 days.
- (b) If no historical flow data are available, use:

ERC = ( Total SFR gallons treated (Omit 000) / 365 days / 275 gallons per day )

For wastewater only utilities:

Subtract all general use and other non residential customer gallons from the total gallons treated. Divide the remainder (SFR customers) by 365 days to reveal single family residence customer gallons per day.

**NOTE:** Total gallons treated includes both treated and purchased treatment.

Calculations:		Average		
	SFR Gallons Sold	Customers	Days	ERC
	158,923,493	3,224	366	135
	158,923,493	3,224	366	135

S-11 #N/A SYSTEM 1 **UTILITY NAME: FLORIDA WATER SERVICES** 

SYSTEM NAME / COUNTY: DEEP CREEK / CHARLOTTE # 2201

YEAR OF REPORT December 31, 2000

#### TREATMENT PLANT

Provide a separate sheet for each wastewater treatment facility

	ato onlock for odon the	
Permitted Capacity (gpd)	interconnect	
Basis of Permit Capacity (1)	interconnect	
Manufacturer	interconnect	
Type (2)	Interconnected	
Hydraulic Capacity (gpd)	interconnect	
Average Daily Flow (mgd)	interconnect	
Effluent Disposal (gpd)	interconnect	
Total Gallons of WW Treated (mg)	interconnect	
Method of Effluent Disposal	Interconnected	_

- (1) Basis of permitted capacity as stated on the Florida DEP WWTP Operating Permit (i.e. average annual daily flow, etc.)
- (2) Contact stabilization, advanced treatment, etc.

UTILITY NAME: FLORIDA WATER SERVICES
SYSTEM NAME / COUNTY: DEEP CREEK / CHARLOTTE # 2201

YEAR OF REPORT December 31, 2000

# OTHER WASTEWATER SYSTEM INFORMATION

Furnish information below for each system. A se	parate page should be supplied where necessary.
Present number of ERC's * now being served.	3,224 Interconnected
Maximum number of ERC's * which can be served.     ** Note: SFR gallons sold is not representative of total www flow at plant.	N/A **
3. Present system connection capacity (in ERCs*) using	existing lines. 3,724
4. Future connection capacity (in ERCs*) upon service ar	ea buildout.** 7,882
5. Estimated annual increase in ERCs*68	
<ol> <li>Describe any plans and estimate completion dates for The first 3100 ft of the existing 8" dia. wastewathe Charlotte County WWTP will be upgraded to water flow generated in our Deep Creek service at the utility uses reuse as a means of effluent disposation of reuse provided to each, if known.</li> </ol>	ater force main which connects our Lift Station 6 16" dia. this year. This lift station handles all our rea.
8. If the utility does not engage in reuse, has a reuse fea	sibility study been completed? No
9. Has the utility been required by DEP or water manager	ment district to implement reuse? No
If so, what are the utility's plans to comply w	vith this requireme
10. When did the company last file a capacity analysis re	eport with the DEP? N/A
<ul> <li>11. If the present system does not meet the requirement</li> <li>a. Attach a description of the plant upgrade</li> <li>b. Have these plans been approved by DEP</li> <li>c. When will construction begin?</li> <li>d. Attach plans for funding the required upg</li> <li>e. Is this system under any Consent Order v</li> </ul>	necessary to meet the DEP rules.
12. Department of Environmental Protection ID #	Interconnected

- \* An ERC is determined based on the calculation on S-11
- \*\* Based on meter equivalency factors for ERCs

S-13 #N/A SYSTEM 1 Data here (page W-12) is total of both Deltona Lakes and Enterprise

# **PUMPING AND PURCHASED WATER STATISTICS**

			WATER USED	TOTAL WATER	
	WATER	FINISHED	FOR LINE	PUMPED AND	WATER SOLD
	PURCHASED	WATER PUMPED	FLUSHING,	PURCHASED	то
	FOR RESALE	FROM WELLS	FIGHTING	(Omit 000's)	CUSTOMERS
MONTH	(Omit 000's)	(Omit 000's)	FIRES, ETC.	(b) + (c)-(d)]	(Omit 000's)
(a)	(b)	(c)	(d)	(e)	(f)
January	0	295,225,000	13,729,940	281,495,060	253,348,126
February	0	295,652,000	23,619,010	272,032,990	267,755,377
March	0	362,673,000	4,588,730	358,084,270	297,436,875
April	0	375,475,000	528,420	374,946,580	336,145,542
May	0	550,861,000	14,761,570	536,099,430	381,662,897
June	0	422,927,000	60,360	422,866,640	509,211,633
July	o	352,000,000	44,700	351,955,300	386,865,078
August	0	385,862,000	3,384,570	382,477,430	304,722,757
September	o	296,753,000	13,039,810	283,713,190	336,074,874
October	0	364,196,000	3,916,740	360,279,260	271,270,449
November	0	372,734,000	20,786,800	351,947,200	324,392,351
December	0	332,839,000	11,715,022	321,123,978	337,915,102
Total for year	0	4,407,197,000	110,175,672	4,297,021,328	4,006,801,061

If water is purchased for	resale, indicate the follow	ng:
Vendor	N/A	
Point of delivery	N/A	
If water is sold to other v	vater utilities for redistribu	tion, list names of such utilities below:
County of Volusia		

List for each source of supply:	CAPACITY OF WELL gpm	GALLONS PER DAY FROM SOURCE	TYPE OF SOURCE
See Exhibit #1	gpm	THOM SOURCE	SOUNCE

YEAR OF REPORT
December 31, 2000

# WATER TREATMENT PLANT INFORMATION

Provide a separate sheet for each water treatment facility

Capacity of Plant (GPD):	* 31,464,000	(Reliable Peak Hour)
Location of measurement		
(I.e. WellHead, Storage Tank):	WellHead and/or St	torage Tank
Type of treatment (reverse osmosis,		
(sedimentation, chemical, aerated, etc,):	Chlorination and A	eration
L	LIME TREATMENT	
	LIME TREATMENT	
	LIME TREATMENT  Manufacturer:	
Unit rating (i.e., GPM, pounds		
Unit rating (i.e., GPM, pounds	Manufacturer:	
Unit rating (i.e., GPM, pounds per gallon): N/A  Type and size of area:	Manufacturer:	

<sup>\*</sup> High Service

### **CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL UNITS**

METER SIZE	TYPE OF METER*	EQUIVALENT FACTOR	NUMBER OF METERS	TOTAL NUMBER OF METER EQUIVALENTS (c x d)
(a)	(b)	(c)	(d) **	(e)
5/8"	Displacement	1.0	26,593	26,593
3/4"	Displacement	1.5	3	5
1"	Displacement	2.5	880	2,200
1 1/2"	Displacement or Turbine	5.0	33	165
2"	Displacement, Compound or Turbine	8.0	102	816
3"	Displacement	15.0	0	0
3"	Compound	16.0	0	0
3"	Turbine	17.5	38	665
4"	Displacement or Compound	25.0	0	. 0
4"	Turbine	30.0	8	240
6"	Displacement or Compound	50.0	0	0
6"	Turbine	62.5	0	0
8"	Compound	80.0	0	0
8"	Turbine	90.0	0	0
10"	Compound	115.0	0	0
10"	Turbine	145.0	0	0
12"	Turbine	215.0	0	0
	Total Water System Meter Equivalents		27,657	30,684

# CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL CONNECTION

Provide a calculation used to determine the value of one water equivalent residential connection (ERC). Use one of the following methods:

- (a) If actual flow data are available from the preceding 12 months, divide the total annual single family residence (SFR) gallons sold by the average number of single family residence customers for the same period and divide the result by 365 days.
- (b) If no historical flow data are available, use:

ERC = ( Total SFR gallons sold (Omit 000) / 365 days / 350 gallons per day )

Calculations: (a)		Average		
	SFR Gallons Sold	Customers	Days	ERC
	3,770,436,808	25,895	366	398

### OTHER WATER SYSTEM INFORMATION

Furnish inf	ormation below for each system. A separate pa	ge should be supplied wh	ere necessary.
1. Presen	: ERC's * that system can efficiently serve.		25,895
2. Maxim	um number of ERCs * which can be served **		26,363
3. Presen	system connection capacity (in ERCs *) using	existing lines.	46,954
4. Future	connection capacity (in ERCs *) upon service ar	ea buildout.	61,439
5. Estima	ed annual increase in ERCs *.	387	·····
6. Is the u	itility required to have fire flow capacity? Yes		
	If so, how much capacity is required? 1500	gpm	
7. Attach	a description of the fire fighting facilities		
	oe any plans and estimated completion dates for new 600 gpm well (Well 37) at Well 21 site and inst	· -	•
All imp	rovements to be completed by June 2001.		
9. When	did the company last file a capacity analysis repo	ort with the DEP?	N/A
10. If the	present system does not meet the requirements	of the DEP rules:	N/A
a. Att	ach a description of the plnat upgrade necessary	to meet the DEP rules.	
b. Hav	ve these plans been approved by DEP?		
c. Wh	en will construction begin?		
d. Att	ach plans for funding the required upgrading.		
e. Ist	nis system under any Consent Order with DEP?		
11. Depar	tment of Environmental Protection ID #.	3640287	
12. Water	Management District Consumptive Use Permit	#	APPL/21270093UNM
a. Is th	e system in compliance with the requirements of th	e CUP?	Yes,
1	ot, what are the utility's plans to gain compliance?	and normitted supertities duri	It should be noted that
	wal quantities are dynamic and may fluctuate beyo mit. Permits are reviewed peridically to ascertain v		
	nanagement district.	medici modifications fleed	to be med with the
1741011			

<sup>An ERC is determined based on the calculation on W-13
Based on Max day capacity divided by 2 for small systems and 1.5 for large systems or Peak hour capacity divided by 4</sup> for small systems or 3 for large systems. This calculation is not necessarily representative of the maximum ERCs that can be served due to changing peak demands; fire flow requirements; and reliable capacity considerations.

# SOURCE OF SUPPLY FACILITIES

# DELTONA LAKES 2000 PAGE W-11 EXHIBIT # 1 PAGE # 1 of 1

List for each source of supply:

WELLS		CAPACITY OF WELL gpm	GALLONS PER DAY FROM	Type of source
Wellington	# 1	200	288,000	DEEP WELL
Wellington	# 2	400	576,000	DEEP WELL
Diamond	# 3	500	720,000	DEEP WELL
Diamond	# 25	1200	1,728,000	DEEP WELL
Vicksburg	# 19	500	720,000	DEEP WELL
Sagamore	# 22	1500	2,160,000	DEEP WELL
Sagamore	# 32	650	936,000	DEEP WELL
Magdelina	# 33	750	1,080,000	DEEP WELL
Wellington	# 34	650	936,000	DEEP WELL
Sagamore	# 35	650	936,000	DEEP WELL
Golf Course	# 4	500	720,000	DEEP WELL
Lombardy	# 6	350	504,000	DEEP WELL
Lombardy	# 8	400	576,000	DEEP WELL
Lombardy	# 27	1500	2,160,000	DEEP WELL
Courtland	# 15	480	691,200	DEEP WELL
Courtland	# 17	700	1,008,000	DEEP WELL
Courtland	# 18	500	720,000	DEEP WELL
Omaha	# 28	750	1,080,000	DEEP WELL
Courtland	# 24	1000	1,440,000	DEEP WELL
Courtland	# 21	600	864,000	DEEP WELL
Beaver	# 23	1000	1,440,000	DEEP WELL
Howland	# 20	500	720,000	DEEP WELL
Agatha/Saxon	# 9	500	720,000	DEEP WELL
Agatha/Saxon	# 12	500	720,000	DEEP WELL
Agatha/Saxon	# 14	600	864,000	DEEP WELL
Agatha/Saxon	# 16	600	864,000	DEEP WELL
N. Normandy	# 36	750	1,080,000	DEEP WELL

# **RESERVIORS**

# DELTONA 2000 PAGE W-14 EXHIBIT # 2 PAGE # 1 of 1

General Location	Description (steel, concrete, pneumatic)	Capacity of Tank	Ground or Elevated	Unit #
Wellington	Storage - Concrete	2,000,000	Ground	3
Sagamore	Storage - Concrete	2,000,000	Ground	21
Lombardy	Storage - Concrete	500,000	Ground	30
Courtland	Storage - Concrete	1,000,000	Ground	32
Agatha/Saxon	Storage - Concrete	500,000	Ground	11/55
Agatha/Saxon	Storage - Concrete	1,000,000	Ground	11/55
South Courtland	Storage - Concrete	150,000	Ground	17

UTILITY NAME: FLORIDA WATER SERVICES
SYSTEM NAME / COUNTY: DELTONA / VOLUSIA #1806

### CALCULATION OF THE WASTEWATER SYSTEMS EQUIVALENT RESIDENTIAL UNITS

METER	TYPE OF	EQUIVALENT	NUMBER OF WATER	TOTAL NUMBER OF METER EQUIVALENTS		
SIZE	METER*	FACTOR	METERS	(c x d)		
(a)	(b)	(c)	(d)	(e)		
5/8"	Displacement	1.0	5,047	5,047		
3/4"	Displacement	1.5	0	0		
1"	Displacement	2.5	57	143		
1 1/2"	Displacement or Turbine	5.0	12	60		
2"	Displacement, Compound or Tur	8.0	22	_ 176		
3"	Displacement	15.0	0	0		
3"	Compound	16.0	0	0		
3"	Turbine	17.5	6	105		
4"	Displacement or Compound	25.0	0	0		
4"	Turbine	30	6	180		
6"	Displacement or Compound	50.0	0	0		
6"	Turbine	62.5	0	0		
8"	Compound	80.0	0	0		
8"	Turbine	90.0	0	0		
10"	Compound	115.0	0	0		
10"	Turbine	145.0	1	145		
12"	Turbine	215.0	0	0		
	Total Wastewater System Meter Equivalents					

# CALCULATION OF THE WASTEWATER SYSTEMS EQUIVALENT RESIDENTIAL CONNECTIONS

Provide a calculation used to determine the value of one water equivalent residential connection (ERC Use one of the following methods:

- (a) If actual flow data are available from the preceding 12 months, divide the total annual single fa residence (SFR) gallons sold by the average number of single family residence customers for the sa period and divide the results by 365 days.
- (b) If no historical flow data are available, use:

ERC = ( Total SFR gallons treated (Omit 000) / 365 days / 275 gallons per day )

For wastewater only utilities:

Subtract all general use and other non residential customer gallons from the total gallons treated. Divide the remainder (SFR customers) by 365 days to reveal single family residence customer gallons per day.

**NOTE:** Total gallons treated includes both treated and purchased treatment.

SFI	R Gallons Sold	Customers	Days	ERC
2	209,852,608	4,701	366	122

**UTILITY NAME: FLORIDA WATER SERVICES** 

SYSTEM NAME / COUNTY: DELTONA / VOLUSIA #1806

YEAR OF REPORT December 31, 2000

# TREATMENT PLANT

Provide a separate sheet for each wastewater treatment facility

		storrator troutimont roome	
Permitted Capacity (gpd)	1,400,000		
Basis of Permit Capacity (1)	AADF		
Manufacturer	CROM		
Type (2)	Contact Stabilizatio	n & Extended Aeration/Ox	idation Ditch
Hydraulic Capacity (gpd)	1,400,000		
Average Daily Flow (mgd)	1.039	(Average of Max Month)	
Effluent Disposal (gpd)	1,250,000		
Total Gallons of WW Treated (mg)	351.372		
Method of Effluent Disposal	Spray Irrigation, FPI	Drainage, Percolation Po	nd -

- (1) Basis of permitted capacity as stated on the Florida DEP WWTP Operating Permit (i.e. average annual daily flow, etc.)
- (2) Contact stabilization, advanced treatment, etc.

YEAR OF REPORT December 31, 2000

UTILITY NAME: FLORIDA WATER SERVICES
SYSTEM NAME / COUNTY: DELTONA / VOLUSIA #1806

# OTHER WASTEWATER SYSTEM INFORMATION

Furnish information below for each system. A separate page should be supplied where necessary.
1. Present number of ERC's * now being served. 4,701
2. Maximum number of ERC's * which can be served.  **  ** Note: SFR gallons sold is not representative of total ww flow at plant.
3. Present system connection capacity (in ERCs*) using existing lines. 4,737
4. Future connection capacity (in ERCs*) upon service area buildout.** 8,028
5. Estimated annual increase in ERCs*
Describe any plans and estimate completion dates for any enlargements or improvements of this system.      None
<ul> <li>7. If the utility uses reuse as a means of effluent disposal, attach a list of the reuse end users and the amount of reuse provided to each, if known. See Exhibit Q-7</li> <li>8. If the utility does not engage in reuse, has a reuse feasibility study been completed? No</li> </ul>
If so, when?
9. Has the utility been required by DEP or water management district to implement reuse? No
If so, what are the utility's plans to comply with this requireme
10. When did the company last file a capacity analysis report with the DEP?  August-94
11. If the present system does not meet the requirements of DEP rules: N/A  a. Attach a description of the plant upgrade necessary to meet the DEP rules.
b. Have these plans been approved by DEP
When will construction begin?  d. Attach plans for funding the required upgrading.
e. Is this system under any Consent Order with DEP
12. Department of Environmental Protection ID # FLA111724-01

- \* An ERC is determined based on the calculation on S-11
- \*\* Based on meter equivalency factors for ERCs

S-13 21806 SYSTEM 1

# **PUMPING AND PURCHASED WATER STATISTICS**

MONTH	WATER PURCHASED FOR RESALE (Omit 000's)	FINISHED WATER PUMPED FROM WELLS (Omit 000's)	WATER USED FOR LINE FLUSHING, FIGHTING FIRES, ETC.	TOTAL WATER PUMPED AND PURCHASED (Omit 000's) (b) + (c)-(d)]	WATER SOLD TO CUSTOMERS (Omit 000's)
(a)	(b)	(c)	(d)	(e)	(f)
January	879,700	531,000	15,000	1,395,700	697,936
February	0	536,000	38,000	498,000	489,260
March	0	732,900	0	732,900	689,770
April	0	757,900	38,000	719,900	815,590
May	0	1,058,100	38,000	1,020,100	904,040
June	0	783,100	31,000	752,100	1,030,870
July	0	703,000	24,000	679,000	808,250
August	0	607,300	39,000	568,300	575,910
September	0	529,700	31,000	498,700	574,030
October	0	779,000	27,000	752,000	612,930
November	o	842,300	39,000	803,300	806,780
December	0	771,600	24,000	747,600	631,750
Total for year	879,700	8,631,900	344,000	9,167,600	8,637,116

If water is purchased for	resale, indicate the following:
Vendor	City of Altamonte Springs
Point of delivery	6" Meter @ Northlake Dr & Hwy 436
If water is sold to other v	vater utilities for redistribution, list names of such utilities below:

List for each source of supply:	CAPACITY OF WELL gpm	GALLONS PER DAY FROM SOURCE	TYPE OF SOURCE
Well #1	250	360,000	Deep Well

**UTILITY NAME: FLORIDA WATER SERVICES** 

SYSTEM NAME / COUNTY: DOL RAY MANOR / SEMINOLE #336

YEAR OF REPORT
December 31, 2000

# WATER TREATMENT PLANT INFORMATION

Provide a separate sheet for each water treatment facility

Capacity of Plant (GPD):	* 360,000 (Reliable Peak Hour)
Location of measurement	
(I.e. WellHead, Storage Tank):	WellHead and/or Distribution
Type of treatment (reverse osmosis,	
(sedimentation, chemical, aerated, etc.):	Chlorination and Aeration
ш	IME TREATMENT
Unit rating (i.e., GPM, pounds	
per gallon): N/A	Manufacturer:
	FILTRATION
Type and size of area:	FILTRATION
Type and size of area:  Pressure (in square feet):  N	FILTRATION  N/A Manufacturer:

<sup>\*</sup> Emergency interconnect with City of Altamonte.

<sup>\*</sup> High Service

# **CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL UNITS**

METER SIZE (a)	TYPE OF METER* (b)	EQUIVALENT FACTOR (c)	NUMBER OF METERS (d)	TOTAL NUMBER OF METER EQUIVALENTS (c x d) (e)
			**	
5/8"	Displacement	1.0	58	58
3/4"	Displacement	1.5	0	0
1"	Displacement	2.5	1	3
1 1/2"	Displacement or Turbine	5.0	0	0
2"	Displacement, Compound or Turbine	8.0	0	0
3"	Displacement	15.0	0	0
3"	Compound	16.0	0	0
3"	Turbine	17.5	1	18
4"	Displacement or Compound	25.0	0	0
4"	Turbine	30.0	0	0
6"	Displacement or Compound	50.0	0	0
6"	Turbine	62.5	0	0
8"	Compound	80.0	0	0
8"	Turbine	90.0	0	0
10"	Compound	115.0	0	0
10"	Turbine	145.0	0	0
12"	Turbine	215.0	0	0
	Total Water System Meter Equivalents		60	78

# CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL CONNECTION

Provide a calculation used to determine the value of one water equivalent residential connection (ERC). Use one of the following methods:

- (a) If actual flow data are available from the preceding 12 months, divide the total annual single family residence (SFR) gallons sold by the average number of single family residence customers for the same period and divide the result by 365 days
- (b) If no historical flow data are available, use ERC = ( Total SFR gallons sold (Omit 000) / 365 days / 350 gallons per day )

Calculations: (a)		Average		
	SFR Gallons Sold	Customers	Days	ERC
	8,488,586	59	366	393

# OTHER WATER SYSTEM INFORMATION

Furnish information below for each system. A separate page should be suppli	ed where necessary.
Present ERC's * that system can efficiently serve.	59
2. Maximum number of ERCs * which can be served **	229
3. Present system connection capacity (in ERCs *) using existing lines.	60
4. Future connection capacity (in ERCs *) upon service area buildout.	60
5. Estimated annual increase in ERCs *. 0	
6. Is the utility required to have fire flow capacity? No	
If so, how much capacity is required?	
7. Attach a description of the fire fighting facilities.	
Describe any plans and estimated completion dates for any enlargements of None	or improvements of this system.
When did the company last file a capacity analysis report with the DEP?	N/A
10. If the present system does not meet the requirements of the DEP rules:	N/A
a. Attach a description of the plnat upgrade necessary to meet the DEP ru	ıles.
b. Have these plans been approved by DEP?	
c. When will construction begin?	
d. Attach plans for funding the required upgrading.	
e. Is this system under any Consent Order with DEP?	
11. Department of Environmental Protection ID #. 3590297	
12. Water Management District Consumptive Use Permit #	3769
a. Is the system in compliance with the requirements of the CUP?	Yes,
b. If not, what are the utility's plans to gain compliance?	It should be noted that
withdrawal quantities are dynamic and may fluctuate beyond permitted quantiti the permit. Permits are reviewed peridically to ascertain whether modifications	
water management district.	need to be liled with the
mater management district.	

<sup>\*</sup> An ERC is determined based on the calculation on W-13

<sup>\*\*</sup> Based on Max day capacity divided by 2 for small systems and 1.5 for large systems or Peak hour capacity divided by 4 for small systems or 3 for large systems. This calculation is not necessarily representative of the maximum ERCs that can be served due to changing peak demands; fire flow requirements; and reliable capacity considerations.

UTILITY NAME: FLORIDA WATER SERVICES
SYSTEM NAME / COUNTY: DRUID HILLS / SEMINOLE #334

# **PUMPING AND PURCHASED WATER STATISTICS**

	WATER PURCHASED	FINISHED	FOR LINE	TOTAL WATER PUMPED AND PURCHASED	WATER SOLD
	FOR RESALE	WATER PUMPED FROM WELLS	FLUSHING, FIGHTING	(Omit 000's)	CUSTOMERS
MONTH	(Omit 000's)	(Omit 000's)	FIRES, ETC.	(b) + (c)-(d)]	(Omit 000's)
(a)	(b)	(c)	(d)	(e)	(f)
January	0	3,356,000	67,880	3,288,120	2,819,760
February	0	3,330,000	257,170	3,072,830	2,631,610
March	0	4,242,000	34,390	4,207,610	3,476,100
April	0	4,127,100	262,110	3,864,990	3,694,540
May	0	5,583,000	110,890	5,472,110	4,069,600
June	0	4,200,000	127,980	4,072,020	4,872,895
July	0	3,113,000	30,240	3,082,760	3,031,750
August	0	3,457,900	105,220	3,352,680	2,483,360
September	0	2,652,000	89,050	2,562,950	2,887,750
October	o	3,779,100	89,910	3,689,190	2,730,800
November	0	3,617,100	86,050	3,531,050	3,655,650
December	0	3,425,800	71,050	3,354,750	3,030,860
Total for year	0	44,883,000	1,331,940	43,551,060	39,384,675

F			
If water is purchased for	resale, indicate the follo	owing:	
Vendor	N/A		
Point of delivery	N/A		
If water is sold to other v	vater utilities for redistri	bution, list names of such utilities below:	
N/A		·	
	war		

	CAPACITY	GALLONS	
	OF WELL	PER DAY	TYPE OF
List for each source of supply:	gpm	FROM SOURCE	SOURCE
Well #1	400	576,000	Deep Well
Well # 2	250	360,000	Deep Well
	20.000		
			-
		l .	

**UTILITY NAME: FLORIDA WATER SERVICES** 

SYSTEM NAME / COUNTY: DRUID HILLS / SEMINOLE #334

YEAR OF REPORT
December 31, 2000

# WATER TREATMENT PLANT INFORMATION

Provide a separate sheet for each water treatment facility

Capacity of Plant (GPD):	* 360,000 (Reliable Peak Hour)
Location of measurement	
(I.e. WellHead, Storage Tank):	WellHead and/or Distribution
Type of treatment (reverse osmosis,	
(sedimentation, chemical, aerated, etc,):	Chlorination and Aeration
LIME	TREATMENT
LIME Unit rating (i.e., GPM, pounds	TREATMENT
Unit rating (i.e., GPM, pounds	TREATMENT  Manufacturer:
Unit rating (i.e., GPM, pounds per gallon): N/A	
Unit rating (i.e., GPM, pounds per gallon): N/A	Manufacturer:
Unit rating (i.e., GPM, pounds per gallon): N/A	Manufacturer:

<sup>\*</sup> Limited by High Service Pumps.

# **CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL UNITS**

METER Size	TYPE OF METER*	EQUIVALENT FACTOR	NUMBER OF METERS	TOTAL NUMBER OF METER EQUIVALENTS (c x d)
(a)	(b)	(c)	(d) **	(e)
5/8"	Displacement	1.0	217	217
3/4"	Displacement	1.5	2	3
1"	Displacement	2.5	28	70
1 1/2"	Displacement or Turbine	5.0	5	25
2"	Displacement, Compound or Turbine	8.0	1	8
3"	Displacement	15.0	0	0
3"	Compound	16.0	0	0
3"	Turbine	17.5	0	0
4"	Displacement or Compound	25.0	0	0
4"	Turbine	30.0	0	0
6"	Displacement or Compound	50.0	0	0
6"	Turbine	62.5	0	0
8"	Compound	80.0	0	0
8"	Turbine	90.0	0	0
10"	Compound	115.0	0	0
10"	Turbine	145.0	0	0
12"	Turbine	215.0	0	0
	Total Water System Meter Equivalents		253	323

# CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL CONNECTION

Provide a calculation used to determine the value of one water equivalent residential connection (ERC). Use one of the following methods:

- (a) If actual flow data are available from the preceding 12 months, divide the total annual single family residence (SFR) gallons sold by the average number of single family residence customers for the same period and divide the result by 365 days
- (b) If no historical flow data are available, use ERC = ( Total SFR gallons sold (Omit 000) / 365 days / 350 gallons per day )

	Calculations: (a)		Average			
		SFR Gallons Sold	Customers	Days	ERC	
		39,355,445	249	366	432	
İ						

### OTHER WATER SYSTEM INFORMATION

Furnish information below for each system. A separate page should be supplied	where necessary.
1. Present ERC's * that system can efficiently serve.	249
2. Maximum number of ERCs * which can be served **	208
3. Present system connection capacity (in ERCs *) using existing lines.	257
4. Future connection capacity (in ERCs *) upon service area buildout.	257
5. Estimated annual increase in ERCs *. 2	
6. Is the utility required to have fire flow capacity? Yes  If so, how much capacity is required? 600 gpm	
7. Attach a description of the fire fighting facilities. See W-14 Exhibit Q-7	_
Describe any plans and estimated completion dates for any enlargements or None	improvements of this system.
9. When did the company last file a capacity analysis report with the DEP?	N/A
10. If the present system does not meet the requirements of the DEP rules:	N/A
a. Attach a description of the plnat upgrade necessary to meet the DEP rule	s.
b. Have these plans been approved by DEP?	
c. When will construction begin?	
d. Attach plans for funding the required upgrading.	
e. Is this system under any Consent Order with DEP?	
11. Department of Environmental Protection ID #. 3590111	
12. Water Management District Consumptive Use Permit #	N/A
a. Is the system in compliance with the requirements of the CUP?	
b. If not, what are the utility's plans to gain compliance?	

<sup>\*</sup> An ERC is determined based on the calculation on W-13

<sup>\*\*</sup> Based on Max day capacity divided by 2 for small systems and 1.5 for large systems or Peak hour capacity divided by 4 for small systems or 3 for large systems. This calculation is not necessarily representative of the maximum ERCs that can be served due to changing peak demands; fire flow requirements; and reliable capacity considerations.

YEAR OF REPORT
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Data here (page W-12) is total of both East Lake Harris Estates and Friendly Center

# **PUMPING AND PURCHASED WATER STATISTICS**

MONTH	WATER PURCHASED FOR RESALE (Omit 000's)	FINISHED WATER PUMPED FROM WELLS (Omit 000's)	WATER USED FOR LINE FLUSHING, FIGHTING FIRES, ETC.	TOTAL WATER PUMPED AND PURCHASED (Omit 000's) (b) + (c)-(d)]	WATER SOLD TO CUSTOMERS (Omit 000's)
(a)	(b)	(c)	(d)	(e)	( <del>f</del> )
January	0	607,900	4,000	603,900	382,080
February	0	532,100	6,000	526,100	440,895
March	0	739,600	8,000	731,600	550,270
April	0	425,900	0	425,900	476,431
May	0	448,100	10,000	438,100	449,510
June	0	565,000	10,000	555,000	387,990
July	0	487,300	4,000	483,300	419,230
August	0	198,700	102,000	96,700	342,920
September	0	174,000	18,000	156,000	232,260
October	0	622,400	320,000	302,400	232,920
November	0	583,900	8,000	575,900	511,580
December	0	541,700	0	541,700	460,710
Total for year	0	5,926,600	490,000	5,436,600	4,886,796

<u> </u>			
If water is purchased for r	esale, indicate the foll	lowing:	
Vendor	N/A		
Point of delivery	N/A		
If water is sold to other w	ater utilities for redist	ribution, list names of such utilities below:	
N/A		· · · · · · · · · · · · · · · · · · ·	

List for each source of supply:	CAPACITY OF WELL gpm	GALLONS PER DAY FROM SOURCE	TYPE OF SOURCE
Well #1	200	288,000	Deep Well

YEAR OF REPORT
December 31, 2000

# WATER TREATMENT PLANT INFORMATION

Provide a separate sheet for each water treatment facility

Capacity of Plant (GPD):	* 288,000	(Peak Hour)
Location of measurement		
(I.e. WellHead, Storage Tank):	WellHead and/or	Distribution
Type of treatment (reverse osmosis,		
(sedimentation, chemical, aerated, etc.):	Chlorination	
	LIME TREATMENT	
	LIME TREATMENT  Manufacturer:	
Unit rating (i.e., GPM, pounds		
Unit rating (i.e., GPM, pounds	Manufacturer:	
Unit rating (i.e., GPM, pounds per gallon): N/A  Type and size of area:	Manufacturer:	

<sup>\*</sup> Limited by Wells.

<sup>\*</sup> Interconnected with Friendly Center.

# CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL UNITS

METER SIZE	TYPE OF METER*	EQUIVALENT FACTOR	NUMBER OF METERS	TOTAL NUMBER OF METER EQUIVALENTS (c x d)
(a)	(b)	(c)	(d) **	(e)
5/8"	Displacement	1.0	177	177
3/4"	Displacement	1.5	0	0
1"	Displacement	2.5	1	3
1 1/2"	Displacement or Turbine	5.0	0	0
2"	Displacement, Compound or Turbine	8.0	0	0
3"	Displacement	15.0	0	0
3"	Compound	16.0	0	0
3"	Turbine	17.5	0	0
4"	Displacement or Compound	25.0	0	0
4"	Turbine	30.0	0	0
6"	Displacement or Compound	50.0	0	0
6"	Turbine	62.5	0	0
8"	Compound	80.0	0	0
8"	Turbine	90.0	0	0
10"	Compound	115.0	0	0
10"	Turbine	145.0	0	0
12"	Turbine	215.0	0	0
	Total Water System Meter Equivalents		178	180

# CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL CONNECTION

Provide a calculation used to determine the value of one water equivalent residential connection (ERC). Use one of the following methods:

- (a) If actual flow data are available from the preceding 12 months, divide the total annual single family residence (SFR) gallons sold by the average number of single family residence customers for the same period and divide the result by 365 days.
- (b) If no historical flow data are available, use:

  ERC = ( Total SFR gallons sold (Omit 000) / 365 days / 350 gallons per day )

Calculations: (a)		Average		
	SFR Gallons Sold	Customers	Days	ERC
	4,876,286	173	366	77

SYSTEM NAME / COUNTY: EAST LAKE HARRIS ESTATES / LAKE #557

YEAR OF REPORT December 31, 2000

### OTHER WATER SYSTEM INFORMATION

Furnish information below for each system. A separate page should be supplied	where necessary.
Present ERC's * that system can efficiently serve.	173
2. Maximum number of ERCs * which can be served **	935
3. Present system connection capacity (in ERCs *) using existing lines.	206
4. Future connection capacity (in ERCs *) upon service area buildout.	206
5. Estimated annual increase in ERCs *. 3	
6. Is the utility required to have fire flow capacity? No	
If so, how much capacity is required?	
,,,,	
7. Attach a description of the fire fighting facilities.	
Describe any plans and estimated completion dates for any enlargements or  None	improvements of this system.
9. When did the company last file a capacity analysis report with the DEP?	N/A
10. If the present system does not meet the requirements of the DEP rules:	N/A
<ul> <li>Attach a description of the plnat upgrade necessary to meet the DEP rule</li> </ul>	s.
b. Have these plans been approved by DEP?	
c. When will construction begin?	
d. Attach plans for funding the required upgrading.	
e. Is this system under any Consent Order with DEP?	
11. Department of Environmental Protection ID #. 3350322	
12. Water Management District Consumptive Use Permit #	2607
a. Is the system in compliance with the requirements of the CUP?	Yes,
b. If not, what are the utility's plans to gain compliance?     withdrawal quantities are dynamic and may fluctuate beyond permitted quantities.	It should be noted that
the permit. Permits are reviewed peridically to ascertain whether modifications n	
water management district.	cod to be med with the
mater management district.	

An ERC is determined based on the calculation on W-13
 Based on Max day capacity divided by 2 for small systems and 1.5 for large systems or Peak hour capacity divided by 4 for small systems or 3 for large systems. This calculation is not necessarily representative of the maximum ERCs that can be served due to changing peak demands; fire flow requirements; and reliable capacity considerations.

# **PUMPING AND PURCHASED WATER STATISTICS**

			WATER USED	TOTAL WATER	
	WATER	FINISHED	FOR LINE	PUMPED AND	WATER SOLD
	PURCHASED	WATER PUMPED	FLUSHING,	PURCHASED	ТО
	FOR RESALE	FROM WELLS	FIGHTING	(Omit 000's)	CUSTOMERS
MONTH	(Omit 000's)	(Omit 000's)	FIRES, ETC.	(b) + (c)-(d)]	(Omit 000's)
(a)	(b)	(c)	(d)	(e)	(f)
January	1,252,100	. 0	24,000	1,228,100	1,065,640
February	1,251,900	0	36,000	1,215,900	1,109,630
March	1,681,100	0	o	1,681,100	1,430,080
April	1,513,000	0	36,000	1,477,000	1,487,110
May	1,953,000	0	32,000	1,921,000	1,623,890
June	1,760,900	0	20,000	1,740,900	1,878,650
July	1,431,100	0	9,000	1,422,100	1,513,360
August	1,367,900	0	24,000	1,343,900	1,289,440
September	1,273,400	0	36,000	1,237,400	1,215,100
October	1,627,600	0	34,000	1,593,600	1,134,820
November	1,746,000	0	28,000	1,718,000	1,684,190
December	1,398,300	0	22,000	1,376,300	1,406,800
Total for year	18,256,300	0	301,000	17,955,300	16,838,710

If water is purchased for	resale, indicate the following:	
Vendor	City of Altamonte Springs	
Point of delivery	4 X 1 inch Neptune compound meter	
If water is sold to other v	vater utilities for redistribution, list names of such utilities below:	

	CAPACITY	GALLONS	
	OF WELL	PER DAY	TYPE OF
List for each source of supply:	gpm	FROM SOURCE	SOURCE
Well #1	260	374,400	Deep Well

UTILITY NAME: FLORIDA WATER SERVICES
SYSTEM NAME / SEMINOLE: FERN PARK #324

YEAR OF REPORT December 31, 2000

# WATER TREATMENT PLANT INFORMATION

Provide a separate sheet for each water treatment facility

Capacity of Plant (GPD):	* Interconnected with Altamonte Springs	
Location of measurement		
(I.e. WellHead, Storage Tank):	WellHead and/or Distribution	
Type of treatment (reverse osmosis,		
(sedimentation, chemical, aerated, etc,):	Chlorination and Aeration	
LIN	ME TREATMENT	
	· <del>-</del> · · · <del>-</del> · · · · · · · · · · · · · · · · · · ·	
Unit rating (i.e., GPM, pounds		
Unit rating (i.e., GPM, pounds per gallon): N/A	Manufacturer:	
	Manufacturer:  FILTRATION	
per gallon): N/A		
per gallon): N/A	FILTRATION	

<sup>\*</sup> Interconnected with Altamonte Springs, well off line since 1996.

# CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL UNITS

METER SIZE	TYPE OF METER*	EQUIVALENT FACTOR	NUMBER OF METERS	TOTAL NUMBER OF METER EQUIVALENTS (c x d)
(a)	(b)	(c)	(d) **	(e)
5/8"	Displacement	1.0	179	179
3/4"	Displacement	1.5	0	0
1"	Displacement	2.5	2	5
1 1/2"	Displacement or Turbine	5.0	1	5
2"	Displacement, Compound or Turbine	8.0	0	0
3"	Displacement	15.0	0	0
3"	Compound	16.0	0	0
3"	Turbine	17.5	0	0
4"	Displacement or Compound	25.0	0	0
4"	Turbine	30.0	0	0
6"	Displacement or Compound	50.0	0	0
6"	Turbine	62.5	0	0
8"	Compound	80.0	0	0
8"	Turbine	90.0	0	0.
10"	Compound	115.0	0	0
10"	Turbine	145.0	0	0
12"	Turbine	215.0	0	0
	Total Water System Meter Equivalents		182	189

# CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL CONNECTION

Provide a calculation used to determine the value of one water equivalent residential connection (ERC). Use one of the following methods:

- (a) If actual flow data are available from the preceding 12 months, divide the total annual single family residence (SFR) gallons sold by the average number of single family residence customers for the same period and divide the result by 365 days
- (b) If no historical flow data are available, use: ERC = ( Total SFR gallons sold (Omit 000) / 365 days / 350 gallons per day )

	Average		
SFR Gallons Sold	Customers	Days	ERC
13,798,320	163	366	231
		SFR Gallons Sold Customers	SFR Gallons Sold Customers Days

**UTILITY NAME: FLORIDA WATER SERVICES** SYSTEM NAME / SEMINOLE: FERN PARK #324

# **OTHER WATER SYSTEM INFORMATION**

Present ERC's * that system can efficiently serve.	163
2. Maximum number of ERCs * which can be served **	N/A
<ol> <li>Present system connection capacity (in ERCs *) using existing lines.</li> </ol>	183
4. Future connection capacity (in ERCs *) upon service area buildout.	183
5. Estimated annual increase in ERCs *. 2	
Is the utility required to have fire flow capacity? No  If so, how much capacity is required?	
7. Attach a description of the fire fighting facilities	
Describe any plans and estimated completion dates for any enlargements of None	or improvements of this system
3. When did the company last file a capacity analysis report with the DEP?	N/A
O. If the present system does not meet the requirements of the DEP rules:	N/A
a. Attach a description of the plnat upgrade necessary to meet the DEP ru	les.
b. Have these plans been approved by DEP?	
c. When will construction begin?	
d. Attach plans for funding the required upgrading.	
a. According to Forming approximation	
e. Is this system under any Consent Order with DEP?	
e. Is this system under any Consent Order with DEP?	INACTIVE/21170130N
e. Is this system under any Consent Order with DEP?  1. Department of Environmental Protection ID #. 3590368	INACTIVE/21170130N

<sup>\*</sup> An ERC is determined based on the calculation on W-13
\*\* Based on Max day capacity divided by 2 for small systems and 1.5 for large systems or Peak hour capacity divided by 4 for small systems or 3 for large systems. This calculation is not necessarily representative of the maximum ERCs that can be served due to changing peak demands; fire flow requirements; and reliable capacity considerations.

#### **PUMPING AND PURCHASED WATER STATISTICS**

MONTH	WATER PURCHASED FOR RESALE (Omit 000's)	FINISHED WATER PUMPED FROM WELLS (Omit 000's)	WATER USED FOR LINE FLUSHING, FIGHTING FIRES, ETC.	PUMPED AND PURCHASED (Omit 000's) (b) + (c)-(d)]	WATER SOLD TO CUSTOMERS (Omit 000's)
(a)	(b)	(c)	(d)	(e)	(f)
January	(1)	987,410	( <del>u</del> )	987,410	790,970
February	0	1,010,330	0	1,010,330	806,840
March	0	1,369,680	0	1,369,680	924,780
April	0	1,329,940	12,000	1,317,940	1,075,230
May	0	2,021,900	0	2,021,900	1,244,910
June	0	1,636,760	2,000	1,634,760	1,498,780
July	0	1,125,580	0	1,125,580	1,286,030
August	0	1,211,600	149,000	1,062,600	867,690
September	0	1,161,530	560,000	601,530	872,560
October	0	1,414,160	719,000	695,160	904,330
November	0	1,150,020	111,000	1,039,020	1,145,540
December	0	1,061,430	36,000	1,025,430	850,390
Total for year	0	15,480,340	1,589,000	13,891,340	12,268,050

If water is purchased for r	esale, indicate the foll	owing:		
Vendor	N/A			
Point of delivery	N/A			
If water is sold to other w	ater utilities for redistr	bution, list names of such ut	tilities below:	
N/A				

List for each source of supply:	CAPACITY OF WELL	GALLONS PER DAY FROM SOURCE	TYPE OF SOURCE
	gpm		
Well #1	180	259,200	Deep Well
	i		

YEAR OF REPORT December 31, 2000

#### WATER TREATMENT PLANT INFORMATION

Provide a separate sheet for each water treatment facility

Capacity of Plant (GPD):	* 259,200	(Peak Hour)
Location of measurement		
(I.e. WellHead, Storage Tank):	WellHead and/or Dis	tribution
Type of treatment (reverse osmosis,		
(sedimentation, chemical, aerated, etc.):	Chlorination	
LIME	TREATMENT	
Unit rating (i.e., GPM, pounds		
	Manufacturer:	***************************************
per gallon): N/A	Manufacturer:	
per gallon): N/A		
per gallon): N/A	LTRATION	

<sup>\*</sup> Well

## CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL UNITS

METER SIZE (a)	TYPE OF METER* (b)	EQUIVALENT FACTOR (c)	NUMBER OF METERS (d) **	TOTAL NUMBER OF METER EQUIVALENTS (c x d) (e)
5/8"	Displacement	1.0	126	126
3/4"	Displacement	1.5	0	0
1"	Displacement	2.5	1	3
1 1/2"	Displacement or Turbine	5.0	0	0
2"	Displacement, Compound or Turbine	8.0	0	0
3"	Displacement	15.0	0	0
3"	Compound	16.0	0	0
3"	Turbine	17.5	0	0
4"	Displacement or Compound	25.0	0	0
4"	Turbine	30.0	0	0
6"	Displacement or Compound	50.0	0	0
6"	Turbine	62.5	0	0
8"	Compound	80.0	0	0
8"	Turbine	90.0	0	0
10"	Compound	115.0	0	0
10"	Turbine	145.0	0	0
12"	Turbine	215.0	0	0
	Total Water System Meter Equivalents		127	129

#### CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL CONNECTION

Provide a calculation used to determine the value of one water equivalent residential connection (ERC). Use one of the following methods:

- (a) If actual flow data are available from the preceding 12 months, divide the total annual single family residence (SFR) gallons sold by the average number of single family residence customers for the same period and divide the result by 365 days.
- (b) If no historical flow data are available, use:

ERC = ( Total SFR gallons sold (Omit 000) / 365 days / 350 gallons per day )

Calculations: (a)		Average		
	SFR Gallons Sold	Customers	Days	ERC
	12,249,870	125	366	268

#### OTHER WATER SYSTEM INFORMATION

Furnish information below for each system. A separate page should be supplied w	here necessary.
1. Present ERC's * that system can efficiently serve.	125
2. Maximum number of ERCs * which can be served **	242
3. Present system connection capacity (in ERCs *) using existing lines.	132
4. Future connection capacity (in ERCs *) upon service area buildout.	132
5. Estimated annual increase in ERCs *.	
6. Is the utility required to have fire flow capacity? No  If so, how much capacity is required?	
7. Attach a description of the fire fighting facilities	
Describe any plans and estimated completion dates for any enlargements or important to the plans and estimated completion dates for any enlargements or important to the plans and estimated completion dates for any enlargements or important to the plans and estimated completion dates for any enlargements or important to the plans and estimated completion dates for any enlargements or important to the plans and estimated completion dates for any enlargements or important to the plans and estimated completion dates for any enlargements or important to the plans and estimated completion dates.  None	provements of this system.
9. When did the company last file a capacity analysis report with the DEP?	N/A
10. If the present system does not meet the requirements of the DEP rules:	N/A
a. Attach a description of the plnat upgrade necessary to meet the DEP rules.	
b. Have these plans been approved by DEP?	
c. When will construction begin?	
d. Attach plans for funding the required upgrading.	
e. Is this system under any Consent Order with DEP?	
11. Department of Environmental Protection ID #. 3350370	
12. Water Management District Consumptive Use Permit #	APPL/20690461N
a. Is the system in compliance with the requirements of the CUP?	Yes,
b. If not, what are the utility's plans to gain compliance? withdrawal quantities are dynamic and may fluctuate beyond permitted quantities du	
the permit. Permits are reviewed peridically to ascertain whether modifications need water management district.	a to be flied with the

<sup>\*</sup> An ERC is determined based on the calculation on W-13

<sup>\*\*</sup> Based on Max day capacity divided by 2 for small systems and 1.5 for large systems or Peak hour capacity divided by 4 for small systems or 3 for large systems. This calculation is not necessarily representative of the maximum ERCs that can be served due to changing peak demands; fire flow requirements; and reliable capacity considerations.

#### **PUMPING AND PURCHASED WATER STATISTICS**

			WATER USED	TOTAL WATER	
	WATER	FINISHED	FOR LINE	PUMPED AND	WATER SOLD
	PURCHASED	WATER PUMPED	FLUSHING,	PURCHASED	то
	FOR RESALE	FROM WELLS	FIGHTING	(Omit 000's)	CUSTOMERS
MONTH	(Omit 000's)	(Omit 000's)	FIRES, ETC.	(b) + (c)-(d)]	(Omit 000's)
(a)	(b)	(c)	(d)	(e)	(f)
January	0	647,100	47,430	599,670	593,130
February	0	572,400	23,200	549,200	631,410
March	0	661,000	16,780	644,220	589,924
April	0	595,500	21,020	574,480	613,925
May	0	650,800	22,610	628,190	590,041
June	0	665,000	22,590	642,410	619,380
July	0	574,600	20,180	554,420	595,150
August	0	624,600	21,670	602,930	567,510
September	0	681,000	17,970	663,030	726,581
October	0	628,700	17,610	611,090	562,990
November	0	660,700	19,460	641,240	577,040
December	0	722,200	14,910	707,290	528,630
Total for year	0	7,683,600	265,430	7,418,170	7,195,711

If water is purchased for r	esale, indicate the follo	wing:
Vendor	N/A	
Point of delivery	N/A	
If water is sold to other w	ater utilities for redistri	bution, list names of such utilities below:

	CAPACITY	GALLONS	
	OF WELL	PER DAY	TYPE OF
List for each source of supply:	gpm	FROM SOURCE	SOURCE
Well #1	100	144,000	Deep Well

UTILITY NAME: FLORIDA WATER SERVICES

SYSTEM NAME / COUNTY: FISHERMAN'S HAVEN / MARTIN #673

YEAR OF REPORT
December 31, 2000

#### WATER TREATMENT PLANT INFORMATION

Provide a separate sheet for each water treatment facility

Capacity of Plant (GPD):	* 144,000 (Pe	ak Hour)	
Location of measurement			
(I.e. WellHead, Storage Tank):	WellHead and/or Distribution		
Type of treatment (reverse osmosis,			
(sedimentation, chemical, aerated, etc,):	Chlorination		
LIME	TREATMENT		
<del></del>	TREATMENT		
Unit rating (i.e., GPM, pounds per gallon): N/A	TREATMENT  Manufacturer:		
Unit rating (i.e., GPM, pounds per gallon): N/A			
Unit rating (i.e., GPM, pounds per gallon): N/A FII	Manufacturer:		

<sup>\*</sup> Wells

#### CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL UNITS

METER SIZE (a)	TYPE OF METER* (b)	EQUIVALENT FACTOR (c)	NUMBER OF METERS (d)	TOTAL NUMBER OF METER EQUIVALENTS (c x d) (e)
			**	
5/8"	Displacement	1.0	144	144
3/4"	Displacement	1.5	0	0
1"	Displacement	2.5	0	0
1 1/2"	Displacement or Turbine	5.0	0	0
2"	Displacement, Compound or Turbine	8.0	0	0
3"	Displacement	15.0 16.0	0	0
	Compound	, , , , ,		
3" 4"	Turbine	17.5	0	0
	Displacement or Compound	25.0	0	0
4"	Turbine	30.0	0	0
6"	Displacement or Compound	50.0	0	0
6"	Turbine	62.5	0	0
8"	Compound	80.0	0	0
8"	Turbine	90.0	0	0
10"	Compound	115.0	0	0
10"	Turbine	145.0	0	0
12"	Turbine	215.0	0	0
	Total Water System Meter Equivalents		144	144

#### CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL CONNECTION

Provide a calculation used to determine the value of one water equivalent residential connection (ERC). Use one of the following methods:

- (a) If actual flow data are available from the preceding 12 months, divide the total annual single family residence (SFR) gallons sold by the average number of single family residence customers for the same period and divide the result by 365 days.
- (b) If no historical flow data are available, use:

ERC = ( Total SFR gallons sold (Omit 000) / 365 days / 350 gallons per day )

Calculations: (a)		Average		
	SFR Gallons Sold	Customers	Days	ERC
	7,132,601	140	366	139

# OTHER WATER SYSTEM INFORMATION

Furnish information below for each system. A separate page shift. Present ERC's * that system can efficiently a	
1. Present Epo:	ould be supplied where
Present ERC's * that system can efficiently serve.	where necessary.
2. Maximus serve.	4.10
Maximum number of ERCs * which can be served **	140
3 D	
3. Present system connection canacity (*	259
Present system connection capacity (in ERCs *) using existing     Future connection.	lines
4. Future connection capacity (in EDC	140
Future connection capacity (in ERCs *) upon service area builded     Estimated area.	Nut .
5. Estimated annual increase in ERCs *.	140
	1
Is the utility required to have fire flow capacity? No  If so, how much capacity.	
If so, how much	
supacity is required?	
7. Attach a description of the fire fighting facilities.	
the fire fighting facilities.	
8. Describe any at	
Conversion from gaseous to a liguid chlorination system is under consistent would probably necessitate an increase in hydropneuma	
conversion would probably necessitate an increase in hydropneuma meet disinfection detention time requirements	ements or improvements a Color
meet disinfection	deration this year. This
meet disinfection detention time requirements	tic tank capacity in a f
· When did +b -	, sorty in order to
and the company last file a capacity analysis	
. When did the company last file a capacity analysis report with the D	DEP?
bresent system does not meet the rock	N/A
. If the present system does not meet the requirements of the DEP rule.  a. Attach a descript.	les:
a description of the plnat ungrada	N/A
Attach a description of the plnat upgrade necessary to meet the D     Have these plans here.	EP rules
b. Have these plans been approved by DEP?	and tales,
a dy DEP?	
c. When will construction begin?	
. Attach plans for funding the required upgrading.	
o the required upgrading.	
is this system under any Consultation	
ls this system under any Consent Order with DEP?	
epartment of Environmental B	
epartment of Environmental Protection ID #.	
ater Management District Consumptive Use Permit #	
Consumptive Use Permit #	
s the system in compliant	43-00804-W
s the system in compliance with the requirements of the CUP?	.0 00804-W
110L What are 4	Yes,
drawal quantities are dynamic and may fluctuate beyond permitted quantities.  Permits are reviewed peridically to ascertain whether modifications is management district.	
ermit Permit	It should be
ermit. Permits are dynamic and may fluctuate beyond permitted quantitie ermit. Permits are reviewed peridically to ascertain whether modifications in management district.	It should be noted that
- ascertain whether modifications in the second se	need to be st
	to be filed with the

<sup>\*</sup> An ERC is determined based on the calculation on W-13

\*Based on Max day capacity divided by 2 for small systems and 1.5 for large systems or Peak hour capacity divided by 4 small systems or 3 for large systems. This calculation is not necessarily representative of the maximum ERCs that can be based on Max day capacity divided by 2 for small systems and 1.5 for large systems or Peak hour capacity divided by for small systems or 3 for large systems. This calculation is not necessarily representative of the maximum ERCs that can be

UTILITY NAME: FLORIDA WATER SERVICES
SYSTEM NAME / COUNTY: FISHERMAN'S HAVEN / #673

#### CALCULATION OF THE WASTEWATER SYSTEMS EQUIVALENT RESIDENTIAL UNITS

METER SIZE (a)	TYPE OF METER* (b)	EQUIVALENT FACTOR (c)	NUMBER OF WATER METERS (d)	TOTAL NUMBER OF METER EQUIVALENTS (c x d) (e)	
5/8"	Displacement	1.0	146	146	
3/4"	Displacement	1.5	0	0	
1"	Displacement	2.5	0	0	
1 1/2"	Displacement or Turbine	5.0	0	0	
2"	Displacement, Compound or Tur	8.0	0	0.	
3"	Displacement	15.0	0	0	
3"	Compound	16.0	0	0	
3"	Turbine	17.5	0	0	
4"	Displacement or Compound	25.0	0	0	
4"	Turbine	30	0	0	
6"	Displacement or Compound	50.0	0	0	
6"	Turbine	62.5	0	0	
8"	Compound	80.0	0	0	
8"	Turbine	90.0	0	0	
10"	Compound	115.0	0	0	
10"	Turbine	145.0	0	0	
12"	Turbine	215.0	0	0	
	Total Wastewater System Meter Equivalents				

# CALCULATION OF THE WASTEWATER SYSTEMS EQUIVALENT RESIDENTIAL CONNECTIONS

Provide a calculation used to determine the value of one water equivalent residential connection (ERC Use one of the following methods:

- (a) If actual flow data are available from the preceding 12 months, divide the total annual single fa residence (SFR) gallons sold by the average number of single family residence customers for the sa period and divide the results by 365 days.
- (b) If no historical flow data are available, use:

ERC = ( Total SFR gallons treated (Omit 000) / 365 days / 275 gallons per day )

For wastewater only utilities:

Subtract all general use and other non residential customer gallons from the total gallons treated.

Divide the remainder (SFR customers) by 365 days to reveal single family residence customer gallons per day.

NOTE: Total gallons treated includes both treated and purchased treatment.

Calculations:		Average		
	SFR Gallons Sold	Customers	Days	ERC
	5,527,294	138	366	109

**UTILITY NAME: FLORIDA WATER SERVICES** 

SYSTEM NAME / COUNTY: FISHERMAN'S HAVEN / #673

YEAR OF REPORT December 31, 2000

#### TREATMENT PLANT

Provide a separate sheet for each wastewater treatment facility

Permitted Capacity (gpd)	25,000		
Basis of Permit Capacity (1)	M3MADF		
Manufacturer	Defiance		
Type (2)	Extended Aeration	w/tertiary filtration	
Hydraulic Capacity (gpd)	25,000		
Average Daily Flow (mgd)	0.017	(Average of Max Month)	
Effluent Disposal (gpd)	25,000		
Total Gallons of WW Treated (mg)	5.141		•
Method of Effluent Disposal	Drainfield, emergen	cy percolation pond	

- (1) Basis of permitted capacity as stated on the Florida DEP WWTP Operating Permit (i.e. average annual daily flow, etc.)
- (2) Contact stabilization, advanced treatment, etc.

UTILITY NAME: FLORIDA WATER SERVICES
SYSTEM NAME / COUNTY: FISHERMAN'S HAVEN / #673

YEAR OF REPORT December 31, 2000

### OTHER WASTEWATER SYSTEM INFORMATION

Furnish information below for each system. A separate page should be supplied where necessary	•
1. Present number of ERC's * now being served. 138	-
2. Maximum number of ERC's * which can be served.  ** Note: SFR gallons sold is not representative of total ww flow at plant.	
3. Present system connection capacity (in ERCs*) using existing lines. 142	
4. Future connection capacity (in ERCs*) upon service area buildout.** 142	
5. Estimated annual increase in ERCs* 2	-
6. Describe any plans and estimate completion dates for any enlargements or improvements of this system.  None	
<ul> <li>7. If the utility uses reuse as a means of effluent disposal, attach a list of the reuse end users and the amount of reuse provided to each, if known. N/A</li> <li>8. If the utility does not engage in reuse, has a reuse feasibility study been completed? No</li> </ul>	
If so, when?	
Has the utility been required by DEP or water management district to implement reuse?	
If so, what are the utility's plans to comply with this requireme	
10. When did the company last file a capacity analysis report with the DEP?  March-99	
a. Attach a description of the plant upgrade necessary to meet the DEP rules. b. Have these plans been approved by DEP c. When will construction begin? d. Attach plans for funding the required upgrading. e. Is this system under any Consent Order with DEP	
12. Department of Environmental Protection ID # FLA013858	

- \* An ERC is determined based on the calculation on S-11
- \*\* Based on meter equivalency factors for ERCs

S-13 20673 SYSTEM 1 UTILITY NAME: FLORIDA WATER SERVICES

SYSTEM NAME / COUNTY: FLORIDA CENTRAL COMMERCE /

YEAR OF REPORT December 31, 2000

SEMINOLE #340

#### CALCULATION OF THE WASTEWATER SYSTEMS EQUIVALENT RESIDENTIAL UNITS

METER SIZE (a)	TYPE OF METER* (b)	EQUIVALENT FACTOR (c)	NUMBER OF WATER METERS (d)	TOTAL NUMBER OF METER EQUIVALENTS (c x d) (e)
5/8"	Displacement	1.0	24	24
3/4"	Displacement	1.5	13	20
1"	Displacement	2.5	10	25
1 1/2"	Displacement or Turbine	5.0	7	. 35
2"	Displacement, Compound or Tur	8.0	7	56
3"	Displacement	15.0	0	0
3"	Compound	16.0	0	0
3"	Turbine	17.5	0	0
4"	Displacement or Compound	25.0	0	0
4"	Turbine	30	1	30
6"	Displacement or Compound	50.0	0	0
6"	Turbine	62.5	0	0
8"	Compound	80.0	0	0
8"	Turbine	90.0	0	0
10"	Compound	115.0	0	0
10"	Turbine	145.0	0	0
12"	Turbine	215.0	0	0
		190		

# CALCULATION OF THE WASTEWATER SYSTEMS EQUIVALENT RESIDENTIAL CONNECTIONS

Provide a calculation used to determine the value of one water equivalent residential connection (ERC Use one of the following methods:

- (a) If actual flow data are available from the preceding 12 months, divide the total annual single fa residence (SFR) gallons sold by the average number of single family residence customers for the sa period and divide the results by 365 days.
- (b) If no historical flow data are available, use:

ERC = ( Total SFR gallons treated (Omit 000) / 365 days / 275 gallons per day )

For wastewater only utilities:

Subtract all general use and other non residential customer gallons from the total gallons treated. Divide the remainder (SFR customers) by 365 days to reveal single family residence customer gallons per day.

NOTE: Total gallons treated includes both treated and purchased treatment.

Calculations:		Average		
	SFR Gallons Sold	Customers	Days	ERC
	23,085,600	49	366	1,287
* Thi	s system only has commer	rcial customers		

**UTILITY NAME: FLORIDA WATER SERVICES** 

SYSTEM NAME / COUNTY: FLORIDA CENTRAL COMMERCE /

YEAR OF REPORT December 31, 2000

#### SEMINOLE #340

# TREATMENT PLANT Provide a separate sheet for each wastewater treatment facility

	1	Torrator a outilione radiiit)	
Permitted Capacity (gpd)	95,000		
Basis of Permit Capacity (1)	AADF		
Manufacturer	FL. ENVIROMENTAL	-	
Type (2)	Extended Aeration		
Hydraulic Capacity (gpd)	95,000		
Average Daily Flow (mgd)	0.078	(Average of Max Month)	
Effluent Disposal (gpd)	95,000		
Total Gallons of WW Treated (mg)	14.944		
Method of Effluent Disposal	Spray Irrigation, wet weather storage pond		

- (1) Basis of permitted capacity as stated on the Florida DEP WWTP Operating Permit (i.e. average annual daily flow, etc.)
- (2) Contact stabilization, advanced treatment, etc.

YEAR OF REPORT December 31, 2000

# OTHER WASTEWATER SYSTEM INFORMATION

Furnish information below for each system. A separate page should be supplied where necessary.						
1. Present number of ERC's * now being served. 49						
. Maximum number of ERC's * which can be served **						
** Note: SFR gallons sold is not representative of total www flow at plant.  3. Present system connection capacity (in ERCs*) using existing lines.  49						
4. Future connection capacity (in ERCs*) upon service area buildout.** 56						
5. Estimated annual increase in ERCs* 1						
Describe any plans and estimate completion dates for any enlargements or improvements of this system.  None						
<ul> <li>7. If the utility uses reuse as a means of effluent disposal, attach a list of the reuse end users and the amount of reuse provided to each, if known. See Exhibit Q-7</li> <li>8. If the utility does not engage in reuse, has a reuse feasibility study been completed? No</li> </ul>						
If so, when?						
9. Has the utility been required by DEP or water management district to implement reuse? No						
If so, what are the utility's plans to comply with this requireme						
40 Mill Club DED Morah 07						
10. When did the company last file a capacity analysis report with the DEP?  March-97						
a. Attach a description of the plant upgrade necessary to meet the DEP rules. b. Have these plans been approved by DEP c. When will construction begin? d. Attach plans for funding the required upgrading. e. Is this system under any Consent Order with DEP						
12. Department of Environmental Protection ID # FLA011078						

- \* An ERC is determined based on the calculation on S-11
- \*\* Based on meter equivalency factors for ERCs

S-13 20340 SYSTEM 1

### PUMPING AND PURCHASED WATER STATISTICS

	WATER PURCHASED FOR RESALE	FINISHED WATER PUMPED FROM WELLS	WATER USED FOR LINE FLUSHING, FIGHTING	TOTAL WATER PUMPED AND PURCHASED (Omit 000's)	WATER SOLD TO CUSTOMERS
MONTH	(Omit 000's)	(Omit 000's)	FIRES, ETC.	(b) + (c)-(d)]	(Omit 000's)
(a)	(b)	(c)	(d)	(e)	(f)
January	0	860,500	42,000	818,500	734,710
February	0	875,700	31,000	844,700	758,230
March	0	1,106,200	0	1,106,200	894,420
April	0	1,305,000	0	1,305,000	1,026,700
May	0	2,039,300	0	2,039,300	1,551,420
June	0	1,549,200	3,000	1,546,200	1,846,030
July	0	972,800	0	972,800	1,276,200
August	0	920,800	0	920,800	855,590
September	0	882,300	3,000	879,300	846,170
October	0	1,049,900	10,000	1,039,900	826,770
November	0	1,112,000	0	1,112,000	1,072,901
December	0	1,081,100	0	1,081,100	1,036,244
Total for year	0	13,754,800	89,000	13,665,800	12,725,385

If water is purchased for	resale, indicate the follo	owing:
Vendor	N/A	
Point of delivery	N/A	
If water is sold to other v	vater utilities for redistr	ibution, list names of such utilities below:
N/A		

	CAPACITY OF WELL	GALLONS PER DAY	TYPE OF
List for each source of supply:	gpm	FROM SOURCE	SOURCE
Well #1	220	316,800	Deep Well
Well # 2	80	115,200	Deep Well
A.A.A.A.A.A.A.A.A.A.A.A.A.A.A.A.A.A.A.			

UTILITY NAME: FLORIDA WATER SERVICES
SYSTEM NAME / COUNTY: FOUNTAINS / OSCEOLA #772

YEAR OF REPORT
December 31, 2000

#### WATER TREATMENT PLANT INFORMATION

Provide a separate sheet for each water treatment facility

Capacity of Plant (GPD):	* 115,200 (Reliable Max Day Capacity)
Location of measurement	
(I.e. WellHead, Storage Tank):	WellHead and/or Distribution
Type of treatment (reverse osmosis,	
(sedimentation, chemical, aerated, etc,):	Chlorination and Aeration
LIME	E TREATMENT
LIME Unit rating (i.e., GPM, pounds per gallon):  N/A	E TREATMENT  Manufacturer:
Unit rating (i.e., GPM, pounds per gallon): N/A	
Unit rating (i.e., GPM, pounds per gallon): N/A	Manufacturer:

<sup>\*</sup> Wells

#### CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL UNITS

METER SIZE (a)	TYPE OF METER* (b)	EQUIVALENT FACTOR	NUMBER OF METERS (d)	TOTAL NUMBER OF METER EQUIVALENTS (c x d) (e)
(a)	(6)	(6)	(a) **	(e)
5/8"	Displacement	1.0	154	154
3/4"	Displacement	1.5	0	0
1"	Displacement	2.5	1	3
1 1/2"	Displacement or Turbine	5.0	0	0
2"	Displacement, Compound or Turbine	8.0	0	0
3"	Displacement	15.0	0	0
3"	Compound	16.0	0	0
3"	Turbine	17.5	0	0
4"	Displacement or Compound	25.0	0	0
4"	Turbine	30.0	0	0
6"	Displacement or Compound	50.0	0	0
6"	Turbine	62.5	0	0
8"	Compound	80.0	0	0
8"	Turbine	90.0	0	0
10"	Compound	115.0	0	0
10"	Turbine	145.0	0	0
12"	Turbine	215.0	0	0
	Total Water System Meter Equivalents		155	157

#### CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL CONNECTION

Provide a calculation used to determine the value of one water equivalent residential connection (ERC). Use one of the following methods:

- (a) If actual flow data are available from the preceding 12 months, divide the total annual single family residence (SFR) gallons sold by the average number of single family residence customers for the same period and divide the result by 365 days.
- (b) If no historical flow data are available, use:

ERC = ( Total SFR gallons sold (Omit 000) / 365 days / 350 gallons per day )

Calculations: (a)		Average		
	SFR Gallons Sold	Customers	Days	ERC
	12,715,625	147	366	236

#### OTHER WATER SYSTEM INFORMATION

Furnish information below for each system. A separate page should be supplied w	here necessary.
Present ERC's * that system can efficiently serve.	147
2. Maximum number of ERCs * which can be served * *	244
3. Present system connection capacity (in ERCs *) using existing lines.	163
4. Future connection capacity (in ERCs *) upon service area buildout.	225
5. Estimated annual increase in ERCs *17	
6. Is the utility required to have fire flow capacity? Yes	
If so, how much capacity is required? 250 gpm	
7. Attach a description of the fire fighting facilities. See W-14 Exhibit Q-7	
<ol> <li>Describe any plans and estimated completion dates for any enlargements or implicated install 100KW standby (diesel-fueled) generator with automatic transfer switch.</li> </ol>	provements of this system.
Project schedule for completion by May 2001.	
9. When did the company last file a capacity analysis report with the DEP?	N/A
10. If the present system does not meet the requirements of the DEP rules:	N/A
a. Attach a description of the plnat upgrade necessary to meet the DEP rules.	
b. Have these plans been approved by DEP?	
c. When will construction begin?	
d. Attach plans for funding the required upgrading.	
e. Is this system under any Consent Order with DEP?	
11. Department of Environmental Protection ID #. 3494328	
12. Water Management District Consumptive Use Permit #	49-00977-W
a. Is the system in compliance with the requirements of the CUP?	Yes,
b. If not, what are the utility's plans to gain compliance?	It should be noted that
withdrawal quantities are dynamic and may fluctuate beyond permitted quantities du	
the permit. Permits are reviewed peridically to ascertain whether modifications need	to be filed with the
water management district.	

<sup>•</sup> An ERC is determined based on the calculation on W-13
• Based on Max day capacity divided by 2 for small systems and 1.5 for large systems or Peak hour capacity divided by 4 for small systems or 3 for large systems. This calculation is not necessarily representative of the maximum ERCs that can be served due to changing peak demands; fire flow requirements; and reliable capacity considerations.

### **PUMPING AND PURCHASED WATER STATISTICS**

	WATER	FINISHED	WATER USED FOR LINE	TOTAL WATER PUMPED AND	WATER SOLD
	PURCHASED	WATER PUMPED	FLUSHING,	PURCHASED	то
	FOR RESALE	FROM WELLS	FIGHTING	(Omit 000's)	CUSTOMERS
MONTH	(Omit 000's)	(Omit 000's)	FIRES, ETC.	(b) + (c)-(d)]	(Omit 000's)
(a)	(b)	(c)	(d)	(e)	(f)
January	0	850,000	101,410	748,590	671,227
February	0	1,081,000	88,610	992,390	750,233
March	0	829,000	110,400	718,600	721,030
April	0	863,000	86,400	776,600	725,520
May	0	1,154,000	114,800	1,039,200	827,046
June	0	876,000	143,670	732,330	1,013,954
July	0	778,000	110,310	667,690	739,680
August	0	870,000	112,300	757,700	715,053
September	0	799,000	119,060	679,940	711,700
October	0	813,000	98,420	714,580	687,720
November	0	794,000	67,610	726,390	730,912
December	0	717,000	90,120	626,880	651,680
Total for year	0	10,424,000	1,243,110	9,180,890	8,945,755

If water is purchased for	resale, indicate the foll	lowing:
Vendor	N/A	
Point of delivery	N/A	
If water is sold to other v N/A	vater utilities for redist	ribution, list names of such utilities below:

	PER DAY	TYPE OF
gpm	FROM SOURCE	SOURCE
350	504,000	Deep Well
500	720,000	Deep Well
_	350	350 504,000

UTILITY NAME: FLORIDA WATER SERVICES

SYSTEM NAME / COUNTY: FOX RUN / MARTIN #679

YEAR OF REPORT
December 31, 2000

#### WATER TREATMENT PLANT INFORMATION

Provide a separate sheet for each water treatment facility

Capacity of Plant (GPD):	* 720,000	(Reliable Peak Hour)
Location of measurement		
(I.e. WellHead, Storage Tank):	WellHead and/or	Distribution
Type of treatment (reverse osmosis,		
(sedimentation, chemical, aerated, etc.	,): Chlorination and	Iron Removal
	LIME TREATMENT	
Unit rating (i.e., GPM, pounds	LIME TREATMENT	
Unit rating (i.e., GPM, pounds per gallon): N/A	LIME TREATMENT  Manufacturer	;
• • • • • • • • • • • • • • • • • • • •		:
	Manufacturer	:
per gallon): N/A	Manufacturer	

<sup>\*</sup> High Service

#### CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL UNITS

METER SIZE (a)	TYPE OF METER* (b)	EQUIVALENT FACTOR (e)	NUMBER OF METERS (d) **	TOTAL NUMBER OF METER EQUIVALENTS (c x d) (e)
5/8"	Displacement	1.0	109	109
3/4"	Displacement	1.5	0	0
1"	Displacement	2.5	11	3
1 1/2"	Displacement or Turbine	5.0	0	0
2"	Displacement, Compound or Turbine	8.0	0	0
3"	Displacement	15.0	0	0
3"	Compound	16.0	0	0
3"	Turbine	17.5	0	0
4"	Displacement or Compound	25.0	0	0
4"	Turbine	30.0	0	0
6 <b>"</b>	Displacement or Compound	50.0	0	0
6 <b>"</b>	Turbine	62.5	0	0
8"	Compound	80.0	0	0
8"	Turbine	90.0	0	0
10"	Compound	115.0	0	0
10"	Turbine	145.0	0	0
12"	Turbine	215.0	0	0 .
	Total Water System Meter Equivalents		110	112

#### CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL CONNECTION

Provide a calculation used to determine the value of one water equivalent residential connection (ERC). Use one of the following methods:

- (a) If actual flow data are available from the preceding 12 months, divide the total annual single family residence (SFR) gallons sold by the average number of single family residence customers for the same period and divide the result by 365 days.
- (b) If no historical flow data are available, use:
  ERC = ( Total SFR gallons sold (Omit 000) / 365 days / 350 gallons per day )

Calculations: (a)		Average		
	SFR Gallons Sold	Customers	Days	ERC
	8,937,535	105	366	233

#### **OTHER WATER SYSTEM INFORMATION**

Furnish information below for each system. A separate page should be supplied v	where necessary.
Present ERC's * that system can efficiently serve.	105
2. Maximum number of ERCs * which can be served **	774
3. Present system connection capacity (in ERCs *) using existing lines.	118
4. Future connection capacity (in ERCs *) upon service area buildout.	118
5. Estimated annual increase in ERCs *.	
6. Is the utility required to have fire flow capacity? Yes	
If so, how much capacity is required? 500 gpm	
	A SALE (M. MANAGER A M. MANAGER)
7. Attach a description of the fire fighting facilities. See W-14 Exhibit Q-7	79° - 10° -
Describe any plans and estimated completion dates for any enlargements or im- None	provements of this system.
9. When did the company last file a capacity analysis report with the DEP?	N/A
10. If the present system does not meet the requirements of the DEP rules:	N/A
a. Attach a description of the plnat upgrade necessary to meet the DEP rules.	
b. Have these plans been approved by DEP?	
c. When will construction begin?	
d. Attach plans for funding the required upgrading.	
e. Is this system under any Consent Order with DEP?	
11. Department of Environmental Protection ID #. 4431700	
12. Water Management District Consumptive Use Permit #	APPL/43-00602-W
a. Is the system in compliance with the requirements of the CUP?	Yes,
b. If not, what are the utility's plans to gain compliance?	It should be noted that
withdrawal quantities are dynamic and may fluctuate beyond permitted quantities de	
the permit. Permits are reviewed peridically to ascertain whether modifications need	
water management district.	

<sup>\*</sup> An ERC is determined based on the calculation on W-13
\*\* Based on Max day capacity divided by 2 for small systems and 1.5 for large systems or Peak hour capacity divided by 4 for small systems or 3 for large systems. This calculation is not necessarily representative of the maximum ERCs that can be served due to changing peak demands; fire flow requirements; and reliable capacity considerations.

SYSTEM NAME / COUNTY: FOX RUN / MARTIN #679

YEAR OF REPORT December 31, 2000

CALCULATION OF THE WASTEWATER SYSTEMS EQUIVALENT RESIDENTIAL UNITS

METER SIZE (a)	TYPE OF METER* (b)	EQUIVALENT FACTOR (c)	NUMBER OF WATER METERS (d)	TOTAL NUMBER OF METER EQUIVALENTS (c x d) (e)
5/8"	Displacement	1.0	107	107
3/4"	Displacement	1.5	0	0
1"	Displacement	2.5	0	0
1 1/2"	Displacement or Turbine	5.0	0	. 0
2"	Displacement, Compound or Tur	8.0	0	0
3"	Displacement	15.0	0	0
3"	Compound	16.0	0	0
3"	Turbine	17.5	0	0
4"	Displacement or Compound	25.0	0	0
4"	Turbine	30	0	0
6"	Displacement or Compound	50.0	0	0
6"	Turbine	62.5	0	0
8"	Compound	80.0	0	0
8"	Turbine	90.0	0	0
10"	Compound	115.0	0	0
10"	Turbine	145.0	0	0
12"	Turbine	215.0	0	0
	Total Wastewater System Meter E	quivalents		107

# CALCULATION OF THE WASTEWATER SYSTEMS EQUIVALENT RESIDENTIAL CONNECTIONS

Provide a calculation used to determine the value of one water equivalent residential connection (ERC Use one of the following methods:

- (a) If actual flow data are available from the preceding 12 months, divide the total annual single fa residence (SFR) gallons sold by the average number of single family residence customers for the sa period and divide the results by 365 days.
- (b) If no historical flow data are available, use:

ERC = ( Total SFR gallons treated (Omit 000) / 365 days / 275 gallons per day )

For wastewater only utilities:

Subtract all general use and other non residential customer gallons from the total gallons treated. Divide the remainder (SFR customers) by 365 days to reveal single family residence customer gallons per day.

NOTE: Total gallons treated includes both treated and purchased treatment.

Calculations:		Average		
	SFR Gallons Sold	Customers	Days	ERC
	5,680,310	105	366	148

**UTILITY NAME: FLORIDA WATER SERVICES** 

SYSTEM NAME / COUNTY: FOX RUN / MARTIN #679

YEAR OF REPORT December 31, 2000

#### TREATMENT PLANT

Provide a separate sheet for each wastewater treatment facility

1 Tovide a Separate Sineet for each wastewater troubline racinty					
Permitted Capacity (gpd)	interconnect				
Basis of Permit Capacity (1)	interconnect				
Manufacturer	interconnect				
Type (2)	Interconnected				
Hydraulic Capacity (gpd)	interconnect				
Average Daily Flow (mgd)	interconnect				
Effluent Disposal (gpd)	interconnect				
Total Gallons of WW Treated (mg)	interconnect				
Method of Effluent Disposal	Interconnected				

- (1) Basis of permitted capacity as stated on the Florida DEP WWTP Operating Permit (i.e. average annual daily flow, etc.)
- (2) Contact stabilization, advanced treatment, etc.

UTILITY NAME: FLORIDA WATER SERVICES
SYSTEM NAME / COUNTY: FOX RUN / MARTIN #679

YEAR OF REPORT December 31, 2000

#### **OTHER WASTEWATER SYSTEM INFORMATION**

Furnish information below for each system. A se	eparate page should be supplied where necessary.
Present number of ERC's * now being served.	105 Interconnected
2. Maximum number of ERC's * which can be served.  ** Note: SFR gallons sold is not representative of total ww flow at plan  3. Present system connection capacity (in ERCs*) using	
4. Future connection capacity (in ERCs*) upon service a	
5. Estimated annual increase in ERCs* 0	
Describe any plans and estimate completion dates for None	r any enlargements or improvements of this system.
7. If the utility uses reuse as a means of effluent dispose of reuse provided to each, if known.  N/A  8. If the utility does not engage in reuse, has a reuse feature.	
If so, when?	
9. Has the utility been required by DEP or water manage	
If so, what are the utility's plans to comply	with this requireme
10. When did the company last file a capacity analysis r	report with the DEP? N/A
<ul> <li>11. If the present system does not meet the requiremental a. Attach a description of the plant upgraded b. Have these plans been approved by DEP c. When will construction begin?</li> <li>d. Attach plans for funding the required upger. Is this system under any Consent Order</li> </ul>	grading.
12. Department of Environmental Protection ID #	Interconnected

- \* An ERC is determined based on the calculation on S-11
- \*\* Based on meter equivalency factors for ERCs

S-13 #N/A SYSTEM 1

YEAR OF REPORT
December 31, 2000

#### **PUMPING AND PURCHASED WATER STATISTICS**

SYSTEM IS INTERCONNECTED WITH EAST LAKE HARRIS

			WATER USED	TOTAL WATER	
	WATER	FINISHED	FOR LINE	PUMPED AND	WATER SOLD
	PURCHASED	WATER PUMPED	FLUSHING,	PURCHASED	то
	FOR RESALE	FROM WELLS	FIGHTING	(Omit 000's)	CUSTOMERS
MONTH	(Omit 000's)	(Omit 000's)	FIRES, ETC.	(b) + (c)-(d)]	(Omit 000's)
(a)	(b)	(c)	(d)	(e)	(f) -
January	0	1,630	0	1,630	117,37
February	0	85,750	0	85,750	98,12
March	0	190	o	190	118,18
April	0	159,320	o	159,320	175,35
May	0	227,770	o	227,770	115,66
June	0	710	0	710	186,69
July	0	0	0	0	132,84
August	0	232,150	o	232,150	97,42
September	0	216,110	o	216,110	124,07
October	0	260	0	260	127,67
November	0	82,770	o	82,770	157,53
December	0	5,030	0	5,030	151,20
	Total Sold here for	or Friendly Center on	ly		
Total for year	0	1,011,690	О	1,011,690	1,95

If water is purchased for	resale, indicate the follo	wing:	
Vendor	N/A		
Point of delivery	N/A		
If water is sold to other	water utilities for redistri	bution, list names of such utilities below:	
N/A			

List for each source of supply:	CAPACITY OF WELL gpm	GALLONS PER DAY FROM SOURCE	TYPE OF SOURCE
Well #1	100	144,000	Deep Well
	-	i	

UTILITY NAME: FLORIDA WATER SERVICES

SYSTEM NAME / COUNTY: FRIENDLY CENTER / LAKE #556

YEAR OF REPORT
December 31, 2000

#### WATER TREATMENT PLANT INFORMATION

Provide a separate sheet for each water treatment facility

Capacity of Plant (GPD):	* 144,000 (Peak Hour)	
Location of measurement		
(I.e. WellHead, Storage Tank):	WellHead and/or Distribution	
Type of treatment (reverse osmosis,		
(sedimentation, chemical, aerated, etc,):	Chlorination	
LIM	IE TREATMENT	
Unit rating (i.e., GPM, pounds	Manufacturer:	
Unit rating (i.e., GPM, pounds per gallon): N/A		
Unit rating (i.e., GPM, pounds per gallon): N/A	Manufacturer:	
Unit rating (i.e., GPM, pounds per gallon):  N/A	Manufacturer: FILTRATION	

<sup>\*</sup> Wells

<sup>\*</sup> Interconnected with East Lake Harris.

#### CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL UNITS

METER SIZE (a)	TYPE OF METER* (b)	EQUIVALENT FACTOR (c)	NUMBER OF METERS (d)	TOTAL NUMBER OF METER EQUIVALENTS (c x d) (e)
5/8"	Displacement	1.0	29	29
3/4"	Displacement	1.5	0	0
1"	Displacement	2.5	0	0
1 1/2"	Displacement or Turbine	5.0	0	0
2"	Displacement, Compound or Turbine	8.0	0	0
3"	Displacement	15.0	0	0
3"	Compound	16.0	0	0
3"	Turbine	17.5	0	0
4"	Displacement or Compound	25.0	0	0
4"	Turbine	30.0	0	0
6"	Displacement or Compound	50.0	0	0
6"	Turbine	62.5	0	0
8"	Compound	80.0	0	0
8"	Turbine	90.0	0	0
10"	Compound	115.0	0	0
10"	Turbine	145.0	0	0
12"	Turbine	215.0	0	0
	Total Water System Meter Equivalents		29	29

#### CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL CONNECTION

Provide a calculation used to determine the value of one water equivalent residential connection (ERC). Use one of the following methods:

- (a) If actual flow data are available from the preceding 12 months, divide the total annual single family residence (SFR) gallons sold by the average number of single family residence customers for the same period and divide the result by 365 days.
- (b) If no historical flow data are available, use:

ERC = ( Total SFR gallons sold (Omit 000) / 365 days / 350 gallons per day )

Calculations: (a)		Average		
	SFR Gallons Sold	Customers	Days	ERC
	1,586,385	25	366	173

#### OTHER WATER SYSTEM INFORMATION

Present ERC's * that system can efficiently serve.	25
thousand and of the state of th	
Maximum number of ERCs * which can be served **	208
Present system connection capacity (in ERCs *) using existing lines.	40
Future connection capacity (in ERCs *) upon service area buildout.	40
Estimated annual increase in ERCs *. 2	
Is the utility required to have fire flow capacity? No	
If so, how much capacity is required?	
Attach a description of the fire fighting facilities.	
Describe any plans and estimated completion dates for any enlargements or None	improvements of this system
When did the company last file a capacity analysis report with the DEP?	N/A
. If the present system does not meet the requirements of the DEP rules:	N/A
a. Attach a description of the plnat upgrade necessary to meet the DEP rule	es.
b. Have these plans been approved by DEP?	
c. When will construction begin?	
d. Attach plans for funding the required upgrading.	
e. Is this system under any Consent Order with DEP?	
. Department of Environmental Protection ID #. 3350426	
Department of Environmental Protection ID #	N/A
	N/A
2. Water Management District Consumptive Use Permit #	N/A

<sup>\*</sup> An ERC is determined based on the calculation on W-13

\*\* Based on Max day capacity divided by 2 for small systems and 1.5 for large systems or Peak hour capacity divided by 4 for small systems or 3 for large systems. This calculation is not necessarily representative of the maximum ERCs that can be served due to changing peak demands; fire flow requirements; and reliable capacity considerations.

#### **PUMPING AND PURCHASED WATER STATISTICS**

MONTH	WATER PURCHASED FOR RESALE (Omit 000's)	FINISHED WATER PUMPED FROM WELLS (Omit 000's)	WATER USED FOR LINE FLUSHING, FIGHTING FIRES, ETC.	TOTAL WATER PUMPED AND PURCHASED (Omit 000's) (b) + (c)-(d)]	WATER SOLD TO CUSTOMERS (Omit 000's)
(a)	(b)	(c)	(d)	(e)	(f)
January	0	1,072,600	14,000	1,058,600	859,840
February	0	1,088,700	15,000	1,073,700	928,670
March	0	1,403,800	0	1,403,800	993,370
April	0	1,240,100	0	1,240,100	1,165,620
May	o	2,275,800	0	2,275,800	1,212,040
June	0	1,677,900	5,000	1,672,900	1,841,180
July	0	1,396,200	0	1,396,200	1,316,290
August	0	1,213,500	0	1,213,500	1,214,590
September	0	1,025,500	3,000	1,022,500	934,100
October	0	1,495,600	o	1,495,600	852,180
November	0	1,368,000	o	1,368,000	1,188,560
December	0	1,160,100	0	1,160,100	1,098,060
Total for year	0	16,417,800	37,000	16,380,800	13,604,500

If water is purchased for I	esale, indicate the follo	wing:
Vendor	N/A	
Point of delivery	N/A	
If water is sold to other w	ater utilities for redistri	bution, list names of such utilities below:
N/A		

	CAPACITY	GALLONS	
	OF WELL	PER DAY	TYPE OF
List for each source of supply:	gpm	FROM SOURCE	SOURCE
Well #1	180	259,200	Deep Well
Well # 2	100	144,000	Deep Well
ker en			

YEAR OF REPORT
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#### WATER TREATMENT PLANT INFORMATION

Provide a separate sheet for each water treatment facility

Capacity of Plant (GPD):	* 144,0	000	(Reliable Peak Hour)	
Location of measurement				
(I.e. WellHead, Storage Tank):	Wellh	Head and/or Dis	tribution	
Type of treatment (reverse osmosis,				
(sedimentation, chemical, aerated, et	tc,): Chlor	ination		
	LIME TREATME	NT		
Unit rating (i.e., GPM, pounds	LIME TREATME	NT		
		NT Ianufacturer:		
per gallon): N/A	M			
Unit rating (i.e., GPM, pounds per gallon):  Type and size of area:  Pressure (in square feet):	M			

<sup>\*</sup> Wells

#### CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL UNITS

METER	TYPE OF	EQUIVALENT	NUMBER OF	TOTAL NUMBER OF METER EQUIVALENTS
SIZE	METER*	FACTOR	METERS	(c x d)
(a)	(b)	(c)	(d) **	(e)
5/8"	Displacement	1.0	106	106
3/4"	Displacement	1.5	0	0
1"	Displacement	2.5	0	00
1 1/2"	Displacement or Turbine	5.0	1	5
2"	Displacement, Compound or Turbine	8.0	4	32
3"	Displacement	15.0	0	0
3"	Compound	16.0	0	0
3"	Turbine	17.5	0	0
4"	Displacement or Compound	25.0	0	0
4"	Turbine	30.0	0	0
6"	Displacement or Compound	50.0	0	0
6"	Turbine	62.5	0	0
8"	Compound	80.0	0	0
8"	Turbine	90.0	0	0
10"	Compound	115.0	0	0
10"	Turbine	145.0	0	0
12"	Turbine	215.0	0	0
	Total Water System Meter Equivalents		111	143

#### CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL CONNECTION

Provide a calculation used to determine the value of one water equivalent residential connection (ERC). Use one of the following methods:

- (a) If actual flow data are available from the preceding 12 months, divide the total annual single family residence (SFR) gallons sold by the average number of single family residence customers for the same period and divide the result by 365 days.
- (b) If no historical flow data are available, use:
  ERC = ( Total SFR gallons sold (Omit 000) / 365 days / 350 gallons per day )

Calculations: (a)		Average		
	SFR Gallons Sold	Customers	Days	ERC
	11,172,040	99	366	308

#### OTHER WATER SYSTEM INFORMATION

Furnish information below for each system. A separate page should be supplied w	rhere necessary.
1. Present ERC's * that system can efficiently serve.	99
2. Maximum number of ERCs * which can be served **	117
3. Present system connection capacity (in ERCs *) using existing lines.	122
4. Future connection capacity (in ERCs *) upon service area buildout.	156
5. Estimated annual increase in ERCs *. 0	
6. Is the utility required to have fire flow capacity? No	
If so, how much capacity is required?	
7. Attach a description of the fire fighting facilities.	
Describe any plans and estimated completion dates for any enlargements or im	provements of this system.
9. When did the company last file a capacity analysis report with the DEP?	N/A
10. If the present system does not meet the requirements of the DEP rules:	N/A
a. Attach a description of the plnat upgrade necessary to meet the DEP rules.	
b. Have these plans been approved by DEP?	
c. When will construction begin?	
d. Attach plans for funding the required upgrading.	
e. Is this system under any Consent Order with <u>DEP?</u>	
11. Department of Environmental Protection ID #. 2041320	
12. Water Management District Consumptive Use Permit #	2-91-00037
a. Is the system in compliance with the requirements of the CUP?	Yes,
b. If not, what are the utility's plans to gain compliance?	It should be noted that
withdrawal quantities are dynamic and may fluctuate beyond permitted quantities d	
the permit. Permits are reviewed peridically to ascertain whether modifications nee	d to be filed with the
water management district.	

<sup>\*</sup> An ERC is determined based on the calculation on W-13
\*\* Based on Max day capacity divided by 2 for small systems and 1.5 for large systems or Peak hour capacity divided by 4 for small systems or 3 for large systems. This calculation is not necessarily representative of the maximum ERCs that can be served due to changing peak demands; fire flow requirements; and reliable capacity considerations.

#### **PUMPING AND PURCHASED WATER STATISTICS**

			WATER USED	TOTAL WATER	
	WATER	FINISHED	FOR LINE	PUMPED AND	WATER SOLD
	PURCHASED	WATER PUMPED	FLUSHING,	PURCHASED	то
	FOR RESALE	FROM WELLS	FIGHTING	(Omit 000's)	CUSTOMERS
MONTH	(Omit 000's)	(Omit 000's)	FIRES, ETC.	(b) + (c)-(d)]	(Omit 000's)
(a)	(b)	(c)	(d)	(e)	(f)
January	0	1,604,000	104,280	1,499,720	1,412,420
February	0	1,428,000	42,300	1,385,700	1,287,002
March	0	1,929,000	40,330	1,888,670	1,547,708
April	0	2,041,000	35,200	2,005,800	1,843,250
May	0	2,631,000	57,200	2,573,800	2,076,540
June	0	2,110,000	88,230	2,021,770	2,194,220
July	0	1,539,000	38,230	1,500,770	1,385,730
August	0	1,713,000	84,210	1,628,790	1,249,694
September	0	1,697,000	33,020	1,663,980	1,491,300
October	0	1,938,000	33,410	1,904,590	1,407,030
November	0	1,890,000	33,210	1,856,790	1,598,016
December	0	1,515,000	33,270	1,481,730	1,401,335
Total for year	0	22,035,000	622,8 <b>9</b> 0	21,412,110	18,894,245

	<del></del>			
If water is purchased for r	esale, indicate the follow	wing:		
Vendor	N/A			
Point of delivery	N/A			
If water is sold to other w	vater utilities for redistrib	oution, list names of su	ch utilities below:	
N/A				
				•

	CAPACITY	GALLONS	
	OF WELL	PER DAY	TYPE OF
List for each source of supply:	gpm	FROM SOURCE	SOURCE
Well #1	200	288,000	Deep Well
Well # 2	70	100,800	Deep Well

YEAR OF REPORT
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## WATER TREATMENT PLANT INFORMATION

Provide a separate sheet for each water treatment facility

Capacity of Plant (GPD):	* 100,800	(Reliable Peak Hour)
Location of measurement		
(I.e. WellHead, Storage Tank):	WellHead and/or	Distribution
Type of treatment (reverse osmosis,		
(sedimentation, chemical, aerated, etc,)	: Chlorination	
1	LIME TREATMENT	
Unit rating (i.e., GPM, pounds	LIME TREATMENT	
	LIME TREATMENT  Manufacturer	:
Unit rating (i.e., GPM, pounds		:
Unit rating (i.e., GPM, pounds	Manufacturer	:
Unit rating (i.e., GPM, pounds per gallon): N/A  Type and size of area:	Manufacturer	

<sup>\*</sup> Wells

#### CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL UNITS

METER SIZE (a)	TYPE OF METER* (b)	EQUIVALENT FACTOR (c)	NUMBER OF METERS (d) **	TOTAL NUMBER  OF METER  EQUIVALENTS  (c x d) -  (e)
5/8"	Displacement	1.0	173	173
3/4"	Displacement	1.5	0	0
1"	Displacement	2.5	7	18
1 1/2"	Displacement or Turbine	5.0	0	0
2"	Displacement, Compound or Turbine	8.0	2	16
3"	Displacement	15.0	0	0
3"	Compound	16.0	0	0
3"	Turbine	17.5	0	0
4"	Displacement or Compound	25.0	0	0
4"	Turbine	30.0	0	0
6"	Displacement or Compound	50.0	0	0
6"	Turbine	62.5	0	0
8"	Compound	80.0	0	0
8"	Turbine	90.0	0	0
10"	Compound	115.0	0	0
10"	Turbine	145.0	0	0
12"	Turbine	215.0	0	0
	Total Water System Meter Equivalents		182	207

#### CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL CONNECTION

Provide a calculation used to determine the value of one water equivalent residential connection (ERC). Use one of the following methods:

- (a) If actual flow data are available from the preceding 12 months, divide the total annual single family residence (SFR) gallons sold by the average number of single family residence customers for the same period and divide the result by 365 days.
- (b) If no historical flow data are available, use: ERC = ( Total SFR gallons sold (Omit 000) / 365 days / 350 gallons per day )

Calculations: (a)		Average		
	SFR Gallons Sold	Customers	Days	ERC
	16,840,905	146	366	315

#### **OTHER WATER SYSTEM INFORMATION**

Furnish information below for each system. A separate page should be suppli-	ed where necessary.
1. Present ERC's * that system can efficiently serve.	146
2. Maximum number of ERCs * which can be served **	80
3. Present system connection capacity (in ERCs *) using existing lines.	187
4. Future connection capacity (in ERCs *) upon service area buildout.	197
5. Estimated annual increase in ERCs *. 0	
6. Is the utility required to have fire flow capacity? Yes	
If so, how much capacity is required? 500 gpm	
7. Attach a description of the fire fighting facilities. See W-14 Exhibit Q-7	
Describe any plans and estimated completion dates for any enlargements of Relocated piping along US 98 - Estimated Completion 8/00	or improvements of this system.
9. When did the company last file a capacity analysis report with the DEP?	N/A
10. If the present system does not meet the requirements of the DEP rules:	N/A
a. Attach a description of the plnat upgrade necessary to meet the DEP ru	les.
b. Have these plans been approved by DEP?	
c. When will construction begin?	
d. Attach plans for funding the required upgrading.	
e. Is this system under any Consent Order with DEP?	
11. Department of Environmental Protection ID #. 6530079	
12. Water Management District Consumptive Use Permit #	209336.01
a. Is the system in compliance with the requirements of the CUP?	Yes,
b. If not, what are the utility's plans to gain compliance?	It should be noted that
withdrawal quantities are dynamic and may fluctuate beyond permitted quantiti	
the permit. Permits are reviewed peridically to ascertain whether modifications water management district.	need to be filed with the

SYSTEM 1

<sup>\*</sup> An ERC is determined based on the calculation on W-13
\*\* Based on Max day capacity divided by 2 for small systems and 1.5 for large systems or Peak hour capacity divided by 4 for small systems or 3 for large systems. This calculation is not necessarily representative of the maximum ERCs that can be served due to changing peak demands; fire flow requirements; and reliable capacity considerations.

MONTH	WATER PURCHASED FOR RESALE (Omit 000's)	FINISHED WATER PUMPED FROM WELLS (Omit 000's)	WATER USED FOR LINE FLUSHING, FIGHTING FIRES, ETC.	TOTAL WATER PUMPED AND PURCHASED (Omit 000's) (b) + (c)-(d)]	WATER SOLD TO CUSTOMERS (Omit 000's)
(a)	(b)	(c)	(d)	(e)	(f)
January	0	840,400	9,000	831,400	750,060
February	0	811,500	0	811,500	675,770
March	0	1,599,600	13,000	1,586,600	910,130
April	0	1,468,000	0	1,468,000	1,476,160
May	0	2,416,800	12,000	2,404,800	1,717,560
June	0	1,755,700	18,000	1,737,700	1,997,320
July	0	990,000	31,000	959,000	1,340,360
August	0	1,249,500	30,000	1,219,500	835,610
September	0	880,900	320,000	560,900	1,148,390
October	0	920,300	238,000	682,300	763,410
November	0	832,600	79,000	753,600	745,301
December	0	685,300	5,000	680,300	682,560
Total for year	О	14,450,600	755,000	13,695,600	13,042,631

water is purchased for i	esale, indicate the following:	
Vendor	N/A	
Point of delivery	N/A	
If water is sold to other w	eter utilities for redistribution, list names of such	utilities below:
	ater utilities for redistribution, list names of such	utilities below:
If water is sold to other w	ater utilities for redistribution, list names of such	utilities below:
	ater utilities for redistribution, list names of such	utilities below:
	ater utilities for redistribution, list names of such	utilities below:
	ater utilities for redistribution, list names of such	utilities below:

	CAPACITY OF WELL	GALLONS PER DAY	TYPE OF
List for each source of supply:	gpm	FROM SOURCE	SOURCE
Well #1	600	864,000	Deep Well
W. M. C.			
CONTROL CONTRO			

UTILITY NAME: FLORIDA WATER SERVICES
SYSTEM NAME / COUNTY: GRAND TERRACE / LAKE #575

YEAR OF REPORT
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# WATER TREATMENT PLANT INFORMATION

Capacity of Plant (GPD):	* 864,000	(Peak Hour)(500 gpm fire req
Location of measurement		
(I.e. WellHead, Storage Tank):	WellHead and/o	r Distribution
Type of treatment (reverse osmosis,		
(sedimentation, chemical, aerated, etc,	): Chlorination	
	LIME TREATMENT	
Unit rating (i.e., GPM, pounds	LIME TREATMENT	
•	LIME TREATMENT  Manufacture	er:
•		er:
per gallon): N/A	Manufacture	er:
•	Manufacture	

<sup>\*</sup> Wells

# CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL UNITS

METER SIZE	TYPE OF METER*	EQUIVALENT FACTOR	NUMBER OF METERS	TOTAL NUMBER OF METER EQUIVALENTS (c x d)
(a)	(b)	(c)	(d) **	(e)
5/8"	Displacement	1.0	111	111
3/4"	Displacement	1.5	0	0
1"	Displacement	2.5	0	0
1 1/2"	Displacement or Turbine	5.0	0	0
2"	Displacement, Compound or Turbine	8.0	11	8
3"	Displacement	15.0	0	0
3"	Compound	16.0	0	0
3"	Turbine	17.5	0	0
4"	Displacement or Compound	25.0	0	0
4"	Turbine	30.0	0	0
6"	Displacement or Compound	50.0	0	0
6"	Turbine	62.5	0	0
8"	Compound	80.0	0	0
8"	Turbine	90.0	0	0
10"	Compound	115.0	0	0
10"	Turbine	145.0	0	0
12"	Turbine	215.0	0	0
	Total Water System Meter Equivalents		112	119

# CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL CONNECTION

Provide a calculation used to determine the value of one water equivalent residential connection (ERC). Use one of the following methods:

- (a) If actual flow data are available from the preceding 12 months, divide the total annual single family residence (SFR) gallons sold by the average number of single family residence customers for the same period and divide the result by 365 days.
- (b) If no historical flow data are available, use: ERC = ( Total SFR gallons sold (Omit 000) / 365 days / 350 gallons per day )

Calculations: (a)		Average		
	SFR Gallons Sold	Customers	Days	ERC
	13,042,591	110	366	324

SYSTEM NAME / COUNTY: GRAND TERRACE / LAKE #575

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Fu	rnish information below for each system. A separate page should be supplied wh	nere necessary.
1.	Present ERC's * that system can efficiently serve.	110
2.	Maximum number of ERCs * which can be served **	667
3.	Present system connection capacity (in ERCs *) using existing lines.	110
4.	Future connection capacity (in ERCs *) upon service area buildout.	110
5.	Estimated annual increase in ERCs *. 0	
6.	Is the utility required to have fire flow capacity? Yes	
	If so, how much capacity is required? 500 gpm	
7.	Attach a description of the fire fighting facilities. See W-14 Exhibit Q-7	
8.	Describe any plans and estimated completion dates for any enlargements or imp	rovements of this system.
•		
9.	When did the company last file a capacity analysis report with the DEP?	N/A
10.	If the present system does not meet the requirements of the DEP rules:	N/A
	a. Attach a description of the plnat upgrade necessary to meet the DEP rules.	
	b. Have these plans been approved by DEP?	
	c. When will construction begin?	
	d. Attach plans for funding the required upgrading.	
	e. Is this system under any Consent Order with DEP?	
11	Department of Environmental Protection ID #. 3354697	
12	. Water Management District Consumptive Use Permit #	20690193NM2R
	a. Is the system in compliance with the requirements of the CUP?	Yes,
	b. If not, what are the utility's plans to gain compliance?	It should be noted that
	withdrawal quantities are dynamic and may fluctuate beyond permitted quantities du	
	the permit. Permits are reviewed peridically to ascertain whether modifications need	
	water management district.	

<sup>\*</sup> An ERC is determined based on the calculation on W-13

\*\* Based on Max day capacity divided by 2 for small systems and 1.5 for large systems or Peak hour capacity divided by 4 for small systems or 3 for large systems. This calculation is not necessarily representative of the maximum ERCs that can be served due to changing peak demands; fire flow requirements; and reliable capacity considerations.

MONTH	WATER PURCHASED FOR RESALE (Omit 000's) (b)	FINISHED WATER PUMPED FROM WELLS (Omit 000's) (c)	WATER USED FOR LINE FLUSHING, FIGHTING FIRES, ETC. (d)	TOTAL WATER PUMPED AND PURCHASED (Omit 000's) (b) + (c)-(d)] (e)	WATER SOLD TO CUSTOMERS (Omit 000's) (f)
January	34,070	464,100	102,000	396,170	381,210
February	108,700	297,000	102,000	303,700	415,870
March	0	460,000	0	460,000	403,330
April	0	434,900	30,000	404,900	385,890
May	0	557,000	38,000	519,000	439,310
June	7,100	542,000	36,000	513,100	513,740
July	0	497,000	114,000	383,000	501,040
August	0	485,100	26,000	459,100	424,750
September	0	366,900	38,000	328,900	428,230
October	0	412,000	38,000	374,000	278,130
November	0	458,200	42,000	416,200	381,000
December	0	416,900	32,000	384,900	343,810
Total for year	149,870	5,391,100	598,000	4,942,970	4,896,310

If water is purchased for i	resale, indicate the following:
Vendor	City of Altamonte Springs
Point of delivery	2" Precision meter at Magnolia St.
If water is sold to other w	vater utilities for redistribution, list names of such utilities below:
N/A	

	CAPACITY	GALLONS	
	OF WELL	PER DAY	TYPE OF
List for each source of supply:	gpm	FROM SOURCE	SOURCE
Well #1	300	432,000	Deep Well

UTILITY NAME: FLORIDA WATER SERVICES

SYSTEM NAME / COUNTY: HARMONY HOMES / SEMINOLE #326

YEAR OF REPORT December 31, 2000

# WATER TREATMENT PLANT INFORMATION

Capacity of Plant (GPD):	•	432,000	(Peak Hour)
Location of measurement			
(I.e. WellHead, Storage Tank):		WellHead and/or [	Distribution
Type of treatment (reverse osmosis	,		
(sedimentation, chemical, aerated, e	etc,):	Chlorination	
	LIME TRE	ATMENT	
Unit rating (i.e., GPM, pounds			
Unit rating (i.e., GPM, pounds per gallon): N/A		Manufacturer:	
•	FILTRA		
•	FILTRA		
per gallon): N/A	FILTRA N/A		

<sup>\*</sup> Wells

# CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL UNITS

METER SIZE (a)	TYPE OF METER* (b)	EQUIVALENT FACTOR (c)	NUMBER OF METERS (d) **	TOTAL NUMBER OF METER EQUIVALENTS (c x d) - (e)
5/8"	Displacement	1.0	64	64
3/4"	Displacement	1.5	0	0
1"	Displacement	2.5	0	0
1 1/2"	Displacement or Turbine	5.0	0	0
2"	Displacement, Compound or Turbine	8.0	0	0
3"	Displacement	15.0	0	0
3"	Compound	16.0	0	0
3"	Turbine	17.5	0	0
4"	Displacement or Compound	25.0	0	0
4"	Turbine	30.0	0	0
6"	Displacement or Compound	50.0	0	0
6"	Turbine	62.5	0	0
8"	Compound	80.0	0	0
8"	Turbine	90.0	0	0
10"	Compound	115.0	0	0
10"	Turbine	145.0	0	0
12"	Turbine	215.0	0	0
	Total Water System Meter Equivalents		64	64

# CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL CONNECTION

Provide a calculation used to determine the value of one water equivalent residential connection (ERC). Use one of the following methods:

- (a) If actual flow data are available from the preceding 12 months, divide the total annual single family residence (SFR) gallons sold by the average number of single family residence customers for the same period and divide the result by 365 days.
- (b) If no historical flow data are available, use:
  ERC = ( Total SFR gallons sold (Omit 000) / 365 days / 350 gallons per day )

Calculations: (a)		Average		
	SFR Gallons Sold	Customers	Days	ERC
	4,896,310	61	366	219

Furnish information below for each system.	A separate page should be supplied	where necessary.
1. Present ERC's * that system can efficient	ntly serve.	61
2. Maximum number of ERCs * which can	be served * *	492
3. Present system connection capacity (in	ERCs *) using existing lines.	61
4. Future connection capacity (in ERCs *)	upon service area buildout.	61
5. Estimated annual increase in ERCs *.	1	
6. Is the utility required to have fire flow or	apacity? No	
	equired?	
, , ,	,	
7. Attach a description of the fire fighting	facilities.	
Describe any plans and estimated complete.	letion dates for any enlargements or i	mprovements of this system.
None		
9. When did the company last file a capaci	ty analysis report with the DEP?	N/A
10. If the present system does not meet th	e requirements of the DEP rules:	N/A
a. Attach a description of the plnat upg	rade necessary to meet the DEP rule	<b>3</b> .
b. Have these plans been approved by	DEP?	
c. When will construction begin?		
d. Attach plans for funding the required	d upgrading.	
e. Is this system under any Consent Or	der with DEP?	
11. Department of Environmental Protectio	n ID #. 3590497	
12. Water Management District Consumpti	ve Use Permit #	8357
a. Is the system in compliance with the re-	quirements of the CUP?	Yes,
b. If not, what are the utility's plans to gair	n compliance?	It should be noted that
withdrawal quantities are dynamic and ma	y fluctuate beyond permitted quantities	during the duration of
the permit. Permits are reviewed peridical	lly to ascertain whether modifications ne	eed to be filed with the
water management district.		

<sup>\*</sup> An ERC is determined based on the calculation on W-13

\*\* Based on Max day capacity divided by 2 for small systems and 1.5 for large systems or Peak hour capacity divided by 4 for small systems or 3 for large systems. This calculation is not necessarily representative of the maximum ERCs that can be served due to changing peak demands; fire flow requirements; and reliable capacity considerations.

# ST. JOHNS HIGHLANDS / PUTNAM #471

			WATER USED	TOTAL WATER	
	WATER	FINISHED	FOR LINE	PUMPED AND	WATER SOLD
	PURCHASED	WATER PUMPED	FLUSHING,	PURCHASED	то
	FOR RESALE	FROM WELLS	FIGHTING	(Omit 000's)	CUSTOMERS
MONTH	(Omit 000's)	(Omit 000's)	FIRES, ETC.	(b) + (c)-(d)]	(Omit 000's)
(a)	(b)	(c)	(d)	(e)	(f)
January	0	1,697,000	819,640	877,360	650,150
February	0	1,204,700	474,470	730,230	648,530
March	0	1,605,300	403,830	1,201,470	801,630
April	0	1,253,100	461,240	791,860	794,060
May	0	1,741,900	386,420	1,355,480	842,040
June	0	1,692,600	454,750	1,237,850	887,340
July	0	1,463,400	486,610	976,790	810,800
August	0	1,153,800	307,190	846,610	604,820
September	0	956,900	279,220	677,680	631,090
October	0	1,383,300	417,380	965,920	625,780
November	0	1,358,700	396,850	961,850	709,370
December	0	1,355,600	444,670	910,930	699,790
Total for year	0	16,866,300	5,332,270	11,534,030	8,705,400

If water is purchased for r	esale, indicate the fo	llowing:
Vendor	N/A	
Point of delivery	N/A	
If water is sold to other w	rater utilities for redist	tribution, list names of such utilities below:

	CAPACITY	GALLONS	
	OF WELL	PER DAY	TYPE OF
List for each source of supply:	gpm	FROM SOURCE	SOURCE
Well #1 Hermits Cove	110	158,400	Deep Well
Well #1 St. Johns Highlands	75	108,000	Deep Well

UTILITY NAME: FLORIDA WATER SERVICES
SYSTEM NAME / COUNTY: HERMITS COVE #438

YEAR OF REPORT
December 31, 2000

ST. JOHNS HIGHLANDS / PUTNAM #471

# WATER TREATMENT PLANT INFORMATION

Capacity of Plant (GPD):	108,000 (Reli	able Max Day Capacity)
Location of measurement		
(I.e. WellHead, Storage Tank):	WellHead and/or Distribution	ı
Type of treatment (reverse osmosis,		
(sedimentation, chemical, aerated, etc,):	Chlorination and Aeration	
LIN	ME TREATMENT	
LIM Unit rating (i.e., GPM, pounds	ME TREATMENT	
Unit rating (i.e., GPM, pounds	ME TREATMENT  Manufacturer:	
Unit rating (i.e., GPM, pounds per gallon):  N/A		
Unit rating (i.e., GPM, pounds per gallon): N/A	Manufacturer:	
Unit rating (i.e., GPM, pounds per gallon):  N/A	Manufacturer: FILTRATION	

<sup>\*</sup> Well

ST. JOHNS HIGHLANDS / PUTNAM #471

#### CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL UNITS

METER Size	TYPE OF METER*	EQUIVALENT FACTOR	NUMBER OF METERS	TOTAL NUMBER OF METER EQUIVALENTS (c x d)
(a)	(b)	(c)	(d) **	(e)
5/8"	Displacement	1.0	187	187
3/4"	Displacement	1.5	0	0
1"	Displacement	2.5	0	0
1 1/2"	Displacement or Turbine	5.0	1	5
2"	Displacement, Compound or Turbine	8.0	0	0
3"	Displacement	15.0	0	0
3"	Compound	16.0	0	0
3"	Turbine	17.5	0	0
4"	Displacement or Compound	25.0	0	0
4"	Turbine	30.0	0	0
6"	Displacement or Compound	50.0	0	00
6"	Turbine	62.5	0	0
8"	Compound	80.0	0	0
8"	Turbine	90.0	0	0
10"	Compound	115.0	0	0
10"	Turbine	145.0	0	0
12"	Turbine	215.0	0	0
	Total Water System Meter Equivalents		188	192

# CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL CONNECTION

Provide a calculation used to determine the value of one water equivalent residential connection (ERC). Use one of the following methods:

- (a) If actual flow data are available from the preceding 12 months, divide the total annual single family residence (SFR) gallons sold by the average number of single family residence customers for the same period and divide the result by 365 days.
- (b) If no historical flow data are available, use.

  ERC = ( Total SFR gallons sold (Omit 000) / 365 days / 350 gallons per day )

Calculations: (a)		Average		
	SFR Gallons Sold	Customers	Days	ERC
	8,355,480	270	366	85

#### ST. JOHNS HIGHLANDS / PUTNAM #471

Furnish information below for each system. A sep	parate page should be supplied v	here necessary.				
1. Present ERC's * that system can efficiently ser	rve.	270				
2. Maximum number of ERCs * which can be serv	Maximum number of ERCs * which can be served **					
3. Present system connection capacity (in ERCs *	) using existing lines.	603				
4. Future connection capacity (in ERCs *) upon se	ervice area buildout.	403				
5. Estimated annual increase in ERCs *.	1					
6. Is the utility required to have fire flow capacity	? No					
If so, how much capacity is required						
7. Attach a description of the fire fighting facilities						
<ol> <li>Describe any plans and estimated completion d Rehabilitate existing well at St. Johns Highlands b</li> </ol>						
Projects scheduled to be completed by Sept. 20		T DIGITAL TO II.				
Tojooto bonoanoa to bo compietoa by copii =						
When did the company last file a capacity anal		N/A				
10. If the present system does not meet the require	rements of the DEP rules:					
a. Attach a description of the plnat upgrade necessa	ry to meet the DEP rules.	See 8				
b. Have these plans been approved by DEP?	Yes					
c. When will construction begin?	May-01-2001					
d. Attach plans for funding the required upgrading.	Florida Water Services Budg	et - 2001				
e. Is this system under any Consent Order with DEP	??	No				
11. Department of Environmental Protection ID #.	2540482 St. John's: 254	0489				
12. Water Management District Consumptive Use	Permit #	N/A				
a. Is the system in compliance with the requireme	ents of the CUP?					
b. If not, what are the utility's plans to gain compl	iance?					

<sup>\*</sup> An ERC is determined based on the calculation on W-13

\*\* Based on Max day capacity divided by 2 for small systems and 1.5 for large systems or Peak hour capacity divided by 4 for small systems or 3 for large systems. This calculation is not necessarily representative of the maximum ERCs that can be served due to changing peak demands; fire flow requirements; and reliable capacity considerations.

монтн	WATER PURCHASED FOR RESALE (Omit 000's)	FINISHED WATER PUMPED FROM WELLS (Omit 000's)	WATER USED FOR LINE FLUSHING, FIGHTING FIRES, ETC.	TOTAL WATER PUMPED AND PURCHASED (Omit 000's) (b) + (c)-(d)]	WATER SOLD TO CUSTOMERS (Omit 000's)
(a)	(b)	(c)	(d)	(e)	(f)
January	0	619,830	8,000	611,830	442,000
February	0	588,990	0	588,990	516,140
March	0	732,010	10,000	722,010	548,220
April	0	681,370	12,000	669,370	644,760
May	0	975,360	0	975,360	726,900
June	0	871,250	160,000	711,250	812,450
July	0	684,380	0	684,380	696,350
August	0	783,300	6,000	777,300	586,390
September	0	721,240	198,000	523,240	717,890
October	0	740,460	249,000	491,460	557,560
November	o	569,540	o	569,540	642,780
December	0	672,510	6,000	666,510	502,750
Total for year	0	8,640,240	649,000	7,991,240	7,394,190

If water is purchased for	resale, indicate the foll	owing:
Vendor	N/A	
Point of delivery	N/A	
If water is sold to other w	ater utilities for redistr	ribution, list names of such utilities below:
N/A		
		A STATE OF THE STA

	CAPACITY	GALLONS	
	OF WELL	PER DAY	TYPE OF
List for each source of supply:	gpm	FROM SOURCE	SOURCE
Well #1	175	252,000	Deep Well
Well # 2	150	216,000	Deep Well

# WATER TREATMENT PLANT INFORMATION

Capacity of Plant (GPD):	* -	216,000	(Reliable Peak Hour)
Location of measurement			
(I.e. WellHead, Storage Tank):		WellHead and/or Dis	tribution
Type of treatment (reverse osmosis,			
(sedimentation, chemical, aerated, etc.)	): <u>(</u>	Chlorination	
	LIME TREA	TMENT	
Unit rating (i.e., GPM, pounds			
•		Manufacturer:	
Unit rating (i.e., GPM, pounds per gallon): N/A	FILTRAT		
•	FILTRAT		
per gallon): N/A	FILTRAT		

<sup>\*</sup> Wells

# CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL UNITS

METER SIZE (a)	TYPE OF METER* (b)	EQUIVALENT FACTOR (c)	NUMBER OF METERS (d)	TOTAL NUMBER OF METER EQUIVALENTS (c x d) (e)
			**	
5/8"	Displacement	1.0	106	106
3/4"	Displacement	1.5	0	0
1"	Displacement	2.5	0	0
1 1/2"	Displacement or Turbine	5.0	0	0
2"	Displacement, Compound or Turbine	8.0	1	8
3"	Displacement	15.0	0	0
3"	Compound	16.0	0	0
3"	Turbine	17.5	0	0
4"	Displacement or Compound	25.0	0	0
4"	Turbine	30.0	0	0
6"	Displacement or Compound	50.0	0	0
6"	Turbine	62.5	0	0
8"	Compound	80.0	0	0
8"	Turbine	90.0	0	0
10"	Compound	115.0	0	0
10"	Turbine	145.0	0	0
12"	Turbine	215.0	0	0
	Total Water System Meter Equivalents		107	114

## CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL CONNECTION

Provide a calculation used to determine the value of one water equivalent residential connection (ERC). Use one of the following methods:

- (a) If actual flow data are available from the preceding 12 months, divide the total annual single family residence (SFR) gallons sold by the average number of single family residence customers for the same period and divide the result by 365 days.
- (b) If no historical flow data are available, use:

  ERC = ( Total SFR gallons sold (Omit 000) / 365 days / 350 gallons per day )

Calculations: (a)		Average		
	SFR Gallons Sold	Customers	Days	ERC
	7,355,480	98	366	205

**UTILITY NAME: FLORIDA WATER SERVICES** SYSTEM NAME / COUNTY: HOBBY HILLS / LAKE #558

1. Present ERC's * that system can efficiently serve.  2. Maximum number of ERCs * which can be served ** 263  2. Maximum number of ERCs * which can be served ** 263  3. Present system connection capacity (in ERCs *) using existing lines.  4. Future connection capacity (in ERCs *) upon service area buildout.  5. Estimated annual increase in ERCs *.  9. O  6. Is the utility required to have fire flow capacity? No  If so, how much capacity is required?  7. Attach a description of the fire fighting facilities.  8. Describe any plans and estimated completion dates for any enlargements or improvements of this system. None  9. When did the company last file a capacity analysis report with the DEP?  N/A  10. If the present system does not meet the requirements of the DEP rules:  b. Have these plans been approved by DEP?  c. When will construction begin?  d. Attach plans for funding the required upgrading.  e. Is this system under any Consent Order with DEP?  11. Department of Environmental Protection ID #.  a. Is the system in compliance with the requirements of the CUP?  Yes,  b. If not, what are the utility's plans to gain compliance?  withdrawal quantities are dynamic and may fluctuate beyond permitted quantities during the duration of the permit. Permits are reviewed peridically to assertain whether modifications need to be filed with the	Fur	nish information below for each system. A separate page should be supplied wh	here necessary.
3. Present system connection capacity (in ERCs *) using existing lines.  107  4. Future connection capacity (in ERCs *) upon service area buildout.  107  5. Estimated annual increase in ERCs *.  0  6. Is the utility required to have fire flow capacity? No	1.	Present ERC's * that system can efficiently serve.	98
4. Future connection capacity (in ERCs *) upon service area buildout.  5. Estimated annual increase in ERCs *.  O  6. Is the utility required to have fire flow capacity? No  If so, how much capacity is required?  7. Attach a description of the fire fighting facilities.  8. Describe any plans and estimated completion dates for any enlargements or improvements of this system. None  9. When did the company last file a capacity analysis report with the DEP?  N/A  10. If the present system does not meet the requirements of the DEP rules:  b. Have these plans been approved by DEP?  c. When will construction begin?  d. Attach plans for funding the required upgrading.  e. Is this system under any Consent Order with DEP?  11. Department of Environmental Protection ID #.  2613  a. Is the system in compliance with the requirements of the CUP?  Yes,  b. If not, what are the utility's plans to gain compliance?  It should be noted that withdrawal quantities are dynamic and may fluctuate beyond permitted quantities during the duration of	2.	Maximum number of ERCs * which can be served **	263
5. Estimated annual increase in ERCs *. 0  6. Is the utility required to have fire flow capacity? No	3.	Present system connection capacity (in ERCs *) using existing lines.	107
6. Is the utility required to have fire flow capacity? No If so, how much capacity is required?  7. Attach a description of the fire fighting facilities.  8. Describe any plans and estimated completion dates for any enlargements or improvements of this system. None  9. When did the company last file a capacity analysis report with the DEP?  N/A  10. If the present system does not meet the requirements of the DEP rules:  Attach a description of the plnat upgrade necessary to meet the DEP rules.  b. Have these plans been approved by DEP?  c. When will construction begin?  d. Attach plans for funding the required upgrading.  e. Is this system under any Consent Order with DEP?  11. Department of Environmental Protection ID #.  2613  a. Is the system in compliance with the requirements of the CUP?  Yes,  b. If not, what are the utility's plans to gain compliance?  It should be noted that withdrawal quantities are dynamic and may fluctuate beyond permitted quantities during the duration of	4.	Future connection capacity (in ERCs *) upon service area buildout.	107
If so, how much capacity is required?  7. Attach a description of the fire fighting facilities.  8. Describe any plans and estimated completion dates for any enlargements or improvements of this system. None  9. When did the company last file a capacity analysis report with the DEP?  N/A  10. If the present system does not meet the requirements of the DEP rules:  N/A  a. Attach a description of the plnat upgrade necessary to meet the DEP rules.  b. Have these plans been approved by DEP?  c. When will construction begin?  d. Attach plans for funding the required upgrading.  e. Is this system under any Consent Order with DEP?  11. Department of Environmental Protection ID #.  2613  a. Is the system in compliance with the requirements of the CUP?  Yes,  b. If not, what are the utility's plans to gain compliance?  It should be noted that withdrawal quantities are dynamic and may fluctuate beyond permitted quantities during the duration of	5.	Estimated annual increase in ERCs *.	
8. Describe any plans and estimated completion dates for any enlargements or improvements of this system. None  9. When did the company last file a capacity analysis report with the DEP?  N/A  10. If the present system does not meet the requirements of the DEP rules:  N/A  a. Attach a description of the plnat upgrade necessary to meet the DEP rules.  b. Have these plans been approved by DEP?  c. When will construction begin?  d. Attach plans for funding the required upgrading.  e. Is this system under any Consent Order with DEP?  11. Department of Environmental Protection ID #.  2613  a. Is the system in compliance with the requirements of the CUP?  Yes,  b. If not, what are the utility's plans to gain compliance?  It should be noted that withdrawal quantities are dynamic and may fluctuate beyond permitted quantities during the duration of	6.		
9. When did the company last file a capacity analysis report with the DEP?  N/A  10. If the present system does not meet the requirements of the DEP rules:  N/A  a. Attach a description of the plnat upgrade necessary to meet the DEP rules.  b. Have these plans been approved by DEP?  c. When will construction begin?  d. Attach plans for funding the required upgrading.  e. Is this system under any Consent Order with DEP?  11. Department of Environmental Protection ID #.  2613  a. Is the system in compliance with the requirements of the CUP?  Yes,  b. If not, what are the utility's plans to gain compliance?  It should be noted that withdrawal quantities are dynamic and may fluctuate beyond permitted quantities during the duration of	7.	Attach a description of the fire fighting facilities.	
a. Attach a description of the plnat upgrade necessary to meet the DEP rules.  b. Have these plans been approved by DEP?  c. When will construction begin?  d. Attach plans for funding the required upgrading.  e. Is this system under any Consent Order with DEP?  11. Department of Environmental Protection ID #. 3350544  12. Water Management District Consumptive Use Permit # 2613  a. Is the system in compliance with the requirements of the CUP? Yes,  b. If not, what are the utility's plans to gain compliance? It should be noted that withdrawal quantities are dynamic and may fluctuate beyond permitted quantities during the duration of	8.		provements of this system.
b. Have these plans been approved by DEP?  c. When will construction begin?  d. Attach plans for funding the required upgrading.  e. Is this system under any Consent Order with DEP?  11. Department of Environmental Protection ID #. 3350544  12. Water Management District Consumptive Use Permit # 2613  a. Is the system in compliance with the requirements of the CUP? Yes,  b. If not, what are the utility's plans to gain compliance? It should be noted that withdrawal quantities are dynamic and may fluctuate beyond permitted quantities during the duration of			
c. When will construction begin?  d. Attach plans for funding the required upgrading.  e. Is this system under any Consent Order with DEP?  11. Department of Environmental Protection ID #. 3350544  12. Water Management District Consumptive Use Permit # 2613  a. Is the system in compliance with the requirements of the CUP? Yes,  b. If not, what are the utility's plans to gain compliance? It should be noted that withdrawal quantities are dynamic and may fluctuate beyond permitted quantities during the duration of			
e. Is this system under any Consent Order with DEP?  11. Department of Environmental Protection ID #. 3350544  12. Water Management District Consumptive Use Permit # 2613  a. Is the system in compliance with the requirements of the CUP? Yes,  b. If not, what are the utility's plans to gain compliance? It should be noted that withdrawal quantities are dynamic and may fluctuate beyond permitted quantities during the duration of			
11. Department of Environmental Protection ID #. 3350544  12. Water Management District Consumptive Use Permit # 2613  a. Is the system in compliance with the requirements of the CUP? Yes,  b. If not, what are the utility's plans to gain compliance? It should be noted that withdrawal quantities are dynamic and may fluctuate beyond permitted quantities during the duration of		d. Attach plans for funding the required upgrading.	
12. Water Management District Consumptive Use Permit # 2613  a. Is the system in compliance with the requirements of the CUP? Yes,  b. If not, what are the utility's plans to gain compliance? It should be noted that withdrawal quantities are dynamic and may fluctuate beyond permitted quantities during the duration of		e. Is this system under any Consent Order with DEP?	
a. Is the system in compliance with the requirements of the CUP?  b. If not, what are the utility's plans to gain compliance?  It should be noted that withdrawal quantities are dynamic and may fluctuate beyond permitted quantities during the duration of	11.	Department of Environmental Protection ID #. 3350544	
b. If not, what are the utility's plans to gain compliance?  It should be noted that withdrawal quantities are dynamic and may fluctuate beyond permitted quantities during the duration of	12.	Water Management District Consumptive Use Permit #	2613
withdrawal quantities are dynamic and may fluctuate beyond permitted quantities during the duration of		a. Is the system in compliance with the requirements of the CUP?	Yes,
water management district.		withdrawal quantities are dynamic and may fluctuate beyond permitted quantities du the permit. Permits are reviewed peridically to ascertain whether modifications need	ring the duration of

<sup>\*</sup> An ERC is determined based on the calculation on W-13

\*\* Based on Max day capacity divided by 2 for small systems and 1.5 for large systems or Peak hour capacity divided by 4 for small systems or 3 for large systems. This calculation is not necessarily representative of the maximum ERCs that can be served due to changing peak demands; fire flow requirements; and reliable capacity considerations.

			WATER USED	TOTAL WATER	
	WATER	FINISHED	FOR LINE	PUMPED AND	WATER SOLD
	PURCHASED	WATER PUMPED	FLUSHING,	PURCHASED	ТО
	FOR RESALE	FROM WELLS	FIGHTING	(Omit 000's)	CUSTOMERS
MONTH	(Omit 000's)	(Omit 000's)	FIRES, ETC.	(b) + (c)-(d)]	(Omit 000's)
(a)	(b)	(c)	(d)	(e)	(f)
January	486,840	0	2,580	484,260	407,660
February	465,310	0	2,540	462,770	362,740
March	559,205	0	1,540	557,665	379,880
April	457,170	0	2,410	454,760	418,243
May	539,940	0	730	539,210	412,790
June	486,490	0	830	485,660	444,250
July	525,200	0	540	524,660	373,470
August	596,430	0	1,220	595,210	366,260
September	448,380	0	1,130	447,250	492,480
October	621,100	0	52,990	568,110	330,790
November	422,760	0	1,090	421,670	337,022
December	431,450	0	990	430,460	349,230
Total for year	6,040,275	0	68,590	5,971,685	4,674,815

If water is purchased for	esale, indicate the following:	
Vendor	Astor-Astor Park Water Association	
Point of delivery	4" Compound Meter @ 55802 Fern Road	
If water is sold to other w	rater utilities for redistribution, list names of such utilities below:	
N/A		
L		

	CAPACITY	GALLONS	
	OF WELL	PER DAY	TYPE OF
List for each source of supply:	gpm	FROM SOURCE	SOURCE
Purchased water from AstorAstor Park Water Associa	ation		
	1	1	

UTILITY NAME: FLORIDA WATER SERVICES
SYSTEM NAME / COUNTY: HOLIDAY HAVEN / LAKE #573

YEAR OF REPORT
December 31, 2000

# WATER TREATMENT PLANT INFORMATION

Capacity of Plant (GPD):	N/A	
Location of measurement		
(I.e. WellHead, Storage Tank):	N/A	
Type of treatment (reverse osmosis,		
(sedimentation, chemical, aerated, etc,	): N/A	
	LIME TREATMENT	
Unit rating (i.e., GPM, pounds		
per gallon): N/A	Manufacturer:	
	FILTRATION	
Type and size of area:	FILTRATION	
Type and size of area:  Pressure (in square feet):	FILTRATION  N/A Manufacturer:	

#### **CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL UNITS**

METER SIZE	TYPE OF METER*	EQUIVALENT FACTOR	NUMBER OF METERS	TOTAL NUMBER OF METER EQUIVALENTS (c x d)
(a)	(b)	(c)	(d) **	(e)
5/8"	Displacement	1.0	122	122
3/4"	Displacement	1.5	0	0
1"	Displacement	2.5	1	3
1 1/2"	Displacement or Turbine	5.0	0	0
2"	Displacement, Compound or Turbine	8.0	0	0
3"	Displacement	15.0	0	0
3"	Compound	16.0	0	0
3"	Turbine	17.5	0	0
4"	Displacement or Compound	25.0	0	0
4"	Turbine	30.0	0	0
6"	Displacement or Compound	50.0	0	0
6"	Turbine	62.5	0	0
8"	Compound	80.0	0	0
8"	Turbine	90.0	0	0
10"	Compound	115.0	0	0
10"	Turbine	145.0	0	0
12"	Turbine	215.0	0	0
	Total Water System Meter Equivalents		123	125

# CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL CONNECTION

Provide a calculation used to determine the value of one water equivalent residential connection (ERC). Use one of the following methods:

- (a) If actual flow data are available from the preceding 12 months, divide the total annual single family residence (SFR) gallons sold by the average number of single family residence customers for the same period and divide the result by 365 days.
- (b) If no historical flow data are available, use: ERC = ( Total SFR gallons sold (Omit 000) / 365 days / 350 gallons per day )

Calculations: (a)		Average		
	SFR Gallons Sold	Customers	Days	ERC
	4,415,675	119	366	101

rnish information below for each system. A separate page should be supplied	
Present ERC's * that system can efficiently serve.	119
Maximum number of ERCs * which can be served * *	N/A
Present system connection capacity (in ERCs *) using existing lines.	141
Future connection capacity (in ERCs *) upon service area buildout.	200
Estimated annual increase in ERCs *2	
Is the utility required to have fire flow capacity? No	
If so, how much capacity is required?	
Attach a description of the fire fighting facilities.	
Describe any plans and estimated completion dates for any enlargements or None	improvements of this system.
When did the company last file a capacity analysis report with the DEP?	N/A
. If the present system does not meet the requirements of the DEP rules:	N/A
a. Attach a description of the plnat upgrade necessary to meet the DEP rule	s.
b. Have these plans been approved by DEP?	
c. When will construction begin?	
d. Attach plans for funding the required upgrading.	
e. Is this system under any Consent Order with DEP?	
. Department of Environmental Protection ID #. N/A	
. Water Management District Consumptive Use Permit #	N/A
a. Is the system in compliance with the requirements of the CUP?	
<ul><li>a. Is the system in compliance with the requirements of the CUP?</li><li>b. If not, what are the utility's plans to gain compliance?</li></ul>	

<sup>\*</sup> An ERC is determined based on the calculation on W-13

<sup>\*\*</sup> Based on Max day capacity divided by 2 for small systems and 1.5 for large systems or Peak hour capacity divided by 4 for small systems or 3 for large systems. This calculation is not necessarily representative of the maximum ERCs that can be served due to changing peak demands; fire flow requirements; and reliable capacity considerations.

UTILITY NAME: FLORIDA WATER SERVICES
SYSTEM NAME / COUNTY: HOLIDAY HAVEN / LAKE #573

# CALCULATION OF THE WASTEWATER SYSTEMS EQUIVALENT RESIDENTIAL UNITS

			NUMBER	TOTAL NUMBER OF METER
METER	TYPE OF	EQUIVALENT	OF WATER	EQUIVALENTS
SIZE	METER*	FACTOR	METERS	(c x d)
(a)	(b)	(c)	(d)	(e)
5/8"	Displacement	1.0	107	107
3/4"	Displacement	1.5	0	0
1"	Displacement	2.5	1	3
1 1/2"	Displacement or Turbine	5.0	0	0
2"	Displacement, Compound or Tur	8.0	0	. 0
3"	Displacement	15.0	0	0
3"	Compound	16.0	0	0
3"	Turbine	17.5	0	0
4"	Displacement or Compound	25.0	0	0
4"	Turbine	30	0	0
6"	Displacement or Compound	50.0	0	0
6"	Turbine	62.5	0	0
8"	Compound	80.0	0	0
8"	Turbine	90.0	0	0
10"	Compound	115.0	0	0
10"	Turbine	145.0	0	0
12"	Turbine	215.0	0	0
	Total Wastewater System Meter E	quivalents		110

# CALCULATION OF THE WASTEWATER SYSTEMS EQUIVALENT RESIDENTIAL CONNECTIONS

Provide a calculation used to determine the value of one water equivalent residential connection (ERC Use one of the following methods:

- (a) If actual flow data are available from the preceding 12 months, divide the total annual single fa residence (SFR) gallons sold by the average number of single family residence customers for the sa period and divide the results by 365 days.
- (b) If no historical flow data are available, use:

ERC = ( Total SFR gallons treated (Omit 000) / 365 days / 275 gallons per day )

For wastewater only utilities:

Subtract all general use and other non residential customer gallons from the total gallons treated. Divide the remainder (SFR customers) by 365 days to reveal single family residence customer gallons per day.

NOTE: Total gallons treated includes both treated and purchased treatment.

Calculations:		Average		
	SFR Gallons Sold	Customers	Days	ERC
	3,235,510	101	366	88

**UTILITY NAME: FLORIDA WATER SERVICES** 

SYSTEM NAME / COUNTY: HOLIDAY HAVEN / LAKE #573

YEAR OF REPORT December 31, 2000

35350

# TREATMENT PLANT

1104ide a 3cpare	ite sileet for each was	stewater treatment racint	Y
Permitted Capacity (gpd)	25,000		
Basis of Permit Capacity (1)	AADF		
Manufacturer	DAVCO		
Type (2)	Extended Aeration		
Hydraulic Capacity (gpd)	25,000		
Average Daily Flow (mgd)	0.032	(Average of Max Month)	
Effluent Disposal (gpd)	25,000		
Total Gallons of WW Treated (mg)	7.245		
Method of Effluent Disposal	Percolation Pond, S	Spray Irrigation	

- (1) Basis of permitted capacity as stated on the Florida DEP WWTP Operating Permit (i.e. average annual daily flow, etc.)
- (2) Contact stabilization, advanced treatment, etc.

YEAR OF REPORT December 31, 2000

UTILITY NAME: FLORIDA WATER SERVICES
SYSTEM NAME / COUNTY: HOLIDAY HAVEN / LAKE #573

# OTHER WASTEWATER SYSTEM INFORMATION

Furnish information below for each system. A se	eparate page should be supplied where necessary.
Present number of ERC's * now being served.	101
2. Maximum number of ERC's * which can be served.  ** Note: SFR gallons sold is not representative of total www flow at plant.  2. Provided the served of t	
<ul><li>3. Present system connection capacity (in ERCs*) using</li><li>4. Future connection capacity (in ERCs*) upon service a</li></ul>	
5. Estimated annual increase in ERCs* 2	
6. Describe any plans and estimate completion dates for None	any enlargements or improvements of this system.
7. If the utility uses reuse as a means of effluent disposa of reuse provided to each, if known. N/A  8. If the utility does not engage in reuse, has a reuse feature.	
If so, when?	
9. Has the utility been required by DEP or water manage	ement district to implement reuse? No
If so, what are the utility's plans to comply	with this requireme
10. When did the company last file a capacity analysis r	eport with the DEP? February-01
<ul> <li>11. If the present system does not meet the requirement</li> <li>a. Attach a description of the plant upgrade</li> <li>b. Have these plans been approved by DEP</li> <li>c. When will construction begin?</li> <li>d. Attach plans for funding the required upge</li> <li>e. Is this system under any Consent Order</li> </ul>	e necessary to meet the DEP rules.
12. Department of Environmental Protection ID #	FLA010655

- \* An ERC is determined based on the calculation on S-11
- \*\* Based on meter equivalency factors for ERCs

S-13 20573 SYSTEM 1 UTILITY NAME: FLORIDA WATER SERVICES
SYSTEM NAME / COUNTY: IMPERIAL TERRACE / LAKE #570

	WATER PURCHASED	FINISHED WATER PUMPED	WATER USED FOR LINE FLUSHING,	TOTAL WATER PUMPED AND PURCHASED	WATER SOLD TO
	FOR RESALE	FROM WELLS	FIGHTING	(Omit 000's)	CUSTOMERS
MONTH	(Omit 000's)	(Omit 000's)	FIRES, ETC.	(b) + (c)-(d)]	(Omit 000's)
(a)	(b)	(c)	(d)	(e)	(f)
January	0	643,000	0	643,000	819,590
February	0	775,000	0	775,000	828,100
March	0	887,700	1,000	886,700	929,350
April	0	731,600	o	731,600	1,139,350
May	0	711,500	o	711,500	936,176
June	0	444,300	o	444,300	891,100
July	0	342,400	o	342,400	671,520
August	0	421,020	55,000	366,020	640,050
September	0	332,890	13,000	319,890	609,400
October	0	487,960	24,000	463,960	628,880
November	0	492,070	o	492,070	718,300
December	0	476,470	0	476,470	795,778
Total for year	0	6,745,910	93,000	6,652,910	9,607,594

If water is purchased for	resale, indicate the foll	lowing:
Vendor	N/A	
Point of delivery	N/A	
If water is sold to other w	vater utilities for redist	ribution, list names of such utilities below:
N/A	rator atmitted for realisti	ribution, list number of such utilities below.
IN/A		

	CAPACITY	GALLONS	
	OF WELL	PER DAY	TYPE OF
List for each source of supply:	gpm	FROM SOURCE	SOURCE
Well #1	400	576,000	Deep Well
Well #2	92	132,480	Deep Well
77-7-7			

YEAR OF REPORT December 31, 2000

# WATER TREATMENT PLANT INFORMATION

Capacity of Plant (GPD):	* 132,480	(Reliable Peak Hour)
Location of measurement		
(I.e. WellHead, Storage Tank):	WellHead and/or Distril	bution
Type of treatment (reverse osmosis,		
(sedimentation, chemical, aerated, etc,):	Chlorination	
LIM	E TREATMENT	
LIM Unit rating (i.e., GPM, pounds	E TREATMENT	
Unit rating (i.e., GPM, pounds	E TREATMENT  Manufacturer:	
Unit rating (i.e., GPM, pounds per gallon):N/A		
Unit rating (i.e., GPM, pounds per gallon): N/A	Manufacturer:	
Unit rating (i.e., GPM, pounds per gallon):N/A	Manufacturer:	

<sup>\*</sup> Wells

# CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL UNITS

METER SIZE	TYPE OF METER*	EQUIVALENT FACTOR	NUMBER OF METERS	TOTAL NUMBER OF METER EQUIVALENTS (c x d)
(a)	(b)	(c)	(d) **	(e)
5/8"	Displacement	1.0	244	244
3/4"	Displacement	1.5	0	0
1"	Displacement	2.5	1	3
1 1/2"	Displacement or Turbine	5.0	0	0
2"	Displacement, Compound or Turbine	8.0	0	0
3"	Displacement	15.0	0	0
3"	Compound	16.0	0	0
3"	Turbine	17.5	0	0
4"	Displacement or Compound	25.0	0	0
4"	Turbine	30.0	0	0
6"	Displacement or Compound	50.0	0	0
6"	Turbine	62.5	0	0
8"	Compound	80.0	0	0
8"	Turbine	90.0	0	0
10"	Compound	115.0	0	0
10"	Turbine	145.0	0	0
12"	Turbine	215.0	0	0
	Total Water System Meter Equivalents		245	247

## CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL CONNECTION

Provide a calculation used to determine the value of one water equivalent residential connection (ERC). Use one of the following methods:

- (a) If actual flow data are available from the preceding 12 months, divide the total annual single family residence (SFR) gallons sold by the average number of single family residence customers for the same period and divide the result by 365 days.
- (b) If no historical flow data are available, use: ERC = ( Total SFR gallons sold (Omit 000) / 365 days / 350 gallons per day )

Calculations: (a)		Average		
	SFR Gallons Sold	Customers	Days	ERC
	9,607,584	241	366	109

Fur	nish information below for each system. A separate page should be supplied wh	nere necessary.
1.	Present ERC's * that system can efficiently serve.	241
2.	Maximum number of ERCs * which can be served **	304
3.	Present system connection capacity (in ERCs *) using existing lines.	250
4.	Future connection capacity (in ERCs *) upon service area buildout.	250
5.	Estimated annual increase in ERCs *. 0	
6.	Is the utility required to have fire flow capacity? No	
	If so, how much capacity is required?	
7.	Attach a description of the fire fighting facilities.	
8.	Describe any plans and estimated completion dates for any enlargements or implinstall a new backup well - Completed 5/00	provements of this system.
9.	When did the company last file a capacity analysis report with the DEP?	N/A
10.	If the present system does not meet the requirements of the DEP rules:	N/A
	a. Attach a description of the plnat upgrade necessary to meet the DEP rules.	
	b. Have these plans been approved by DEP?	·
	c. When will construction begin?	
	d. Attach plans for funding the required upgrading.	
	e. Is this system under any Consent Order with DEP?	
11.	Department of Environmental Protection ID #. 3350584	
12.	Water Management District Consumptive Use Permit #	4493
	a. Is the system in compliance with the requirements of the CUP?	Yes,
	b. If not, what are the utility's plans to gain compliance?	It should be noted that
	withdrawal quantities are dynamic and may fluctuate beyond permitted quantities du	
	the permit. Permits are reviewed peridically to ascertain whether modifications need	to be filed with the
	water management district.	11-31-21-21-21-21-21-21-21-21-21-21-21-21-21

<sup>\*</sup> An ERC is determined based on the calculation on W-13

\*\* Based on Max day capacity divided by 2 for small systems and 1.5 for large systems or Peak hour capacity divided by 4 for small systems or 3 for large systems. This calculation is not necessarily representative of the maximum ERCs that can be served due to changing peak demands; fire flow requirements; and reliable capacity considerations.

	WATER PURCHASED	FINISHED WATER PUMPED	FOR LINE FLUSHING,	PUMPED AND PURCHASED	WATER SOLD TO
	FOR RESALE	FROM WELLS	FIGHTING	(Omit 000's)	CUSTOMERS
MONTH	(Omit 000's)	(Omit 000's)	FIRES, ETC.	(b) + (c)-(d)]	(Omit 000's)
(a)	(b)	(c)	(d)	(e)	(f)
January	0	1,295,980	225,560	1,070,420	1,223,244
February	0	1,227,220	185,100	1,042,120	1,115,430
March	0	1,475,610	186,630	1,288,980	1,284,770
April	0	1,408,190	238,280	1,169,910	1,473,800
May	0	1,747,300	213,020	1,534,280	1,420,120
June	0	1,489,730	246,170	1,243,560	1,568,553
July	0	1,518,570	226,800	1,291,770	1,614,430
August	o	1,552,460	221,950	1,330,510	1,290,790
September	o	1,456,600	243,670	1,212,930	1,257,985
October	0	1,471,600	336,550	1,135,050	1,318,685
November	0	1,380,550	94,540	1,286,010	1,360,809
December	0	1,271,840	96,820	1,175,020	1,334,260
otal for year	o	17,295,650	2,515,090	14,780,560	16,262,876

If water is purchased for res	ale, indicate the foll	owing:	
Vendor	N/A		
Point of delivery	N/A		
	er utilities for redisti	ribution, list names of such utilities below:	
N/A			
	900000000000000000000000000000000000000		

	CAPACITY	GALLONS	
	OF WELL	PER DAY	TYPE OF
List for each source of supply:	gpm	FROM SOURCE	SOURCE
Well #1	250	360,000	Deep Well
Well # 2	75	108,000	Deep Well

UTILITY NAME: FLORIDA WATER SERVICES

SYSTEM NAME / COUNTY: INTERCESSION CITY / OSCEOLA #780

YEAR OF REPORT
December 31, 2000

# WATER TREATMENT PLANT INFORMATION

Capacity of Plant (GPD):	* 108,000	(Reliable Peak Hour)
Location of measurement		
(I.e. WellHead, Storage Tank):	WellHead and/or I	Distribution
Type of treatment (reverse osmosis,		
(sedimentation, chemical, aerated, etc,):	Chlorination	
LIME	TREATMENT	
LIME	TREATMENT	
<del></del>	TREATMENT	
Unit rating (i.e., GPM, pounds	TREATMENT  Manufacturer:	
Unit rating (i.e., GPM, pounds per gallon): N/A		·
Unit rating (i.e., GPM, pounds per gallon): N/A	Manufacturer:	
Unit rating (i.e., GPM, pounds per gallon): N/A	Manufacturer:	

<sup>\*</sup> Wells

# CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL UNITS

METER SIZE (a)	TYPE OF METER* (b)	EQUIVALENT FACTOR (c)	NUMBER OF METERS (d) **	TOTAL NUMBER OF METER EQUIVALENTS (c x d) (e)
5/8"	Displacement	1.0	301	301
3/4"	Displacement	1.5	1	2
1"	Displacement	2.5	2	5
1 1/2"	Displacement or Turbine	5.0	0	0
2"	Displacement, Compound or Turbine	8.0	0	0
3"	Displacement	15.0	0	0
3"	Compound	16.0	0	0
3"	Turbine	17.5	0	0
4"	Displacement or Compound	25.0	0	0
4"	Turbine	30.0	0	0
6"	Displacement or Compound	50.0	0	0
6"	Turbine	62.5	0	0
8"	Compound	80.0	0	0
8"	Turbine	90.0	0	0
10"	Compound	115.0	0	0
10"	Turbine	145.0	0	0
12"	Turbine	215.0	0	0
	Total Water System Meter Equivalents		304	308

#### CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL CONNECTION

Provide a calculation used to determine the value of one water equivalent residential connection (ERC). Use one of the following methods:

- (a) If actual flow data are available from the preceding 12 months, divide the total annual single family residence (SFR) gallons sold by the average number of single family residence customers for the same period and divide the result by 365 days.
- (b) If no historical flow data are available, use:

ERC = ( Total SFR gallons sold (Omit 000) / 365 days / 350 gallons per day )

Calculations: (a)		Average		
	SFR Gallons Sold	Customers	Days	ERC
	14,477,327	240	366	165

Furnish information below for each system. A separate page should be supplied	where necessary.
1. Present ERC's * that system can efficiently serve.	240
2. Maximum number of ERCs * which can be served **	164
3. Present system connection capacity (in ERCs *) using existing lines.	351
4. Future connection capacity (in ERCs *) upon service area buildout.	434
5. Estimated annual increase in ERCs *. 3	
6. Is the utility required to have fire flow capacity? No	
If so, how much capacity is required?	
7. Attach a description of the fire fighting facilities.	
8. Describe any plans and estimated completion dates for any enlargements or in Replace approximately 1,000 LF of existing 1-1/2 inch and 2-inch galvanized water	
inch PVC piping.	
Project scheduled to be completed by the end of 2001.	
9. When did the company last file a capacity analysis report with the DEP?	N/A
10. If the present system does not meet the requirements of the DEP rules:	N/A
a. Attach a description of the plnat upgrade necessary to meet the DEP rules	
b. Have these plans been approved by DEP?	
c. When will construction begin?	
d. Attach plans for funding the required upgrading.	
e. Is this system under any Consent Order with DEP?	
11. Department of Environmental Protection ID #. 4490673	
12. Water Management District Consumptive Use Permit #	49-00970-W
a. Is the system in compliance with the requirements of the CUP?	Yes,
b. If not, what are the utility's plans to gain compliance?	It should be noted that
withdrawal quantities are dynamic and may fluctuate beyond permitted quantities	during the duration of
the permit. Permits are reviewed peridically to ascertain whether modifications ne	ed to be filed with the
water management district.	

<sup>\*</sup> An ERC is determined based on the calculation on W-13

<sup>\*\*</sup> Based on Max day capacity divided by 2 for small systems and 1.5 for large systems or Peak hour capacity divided by 4 for small systems or 3 for large systems. This calculation is not necessarily representative of the maximum ERCs that can be served due to changing peak demands; fire flow requirements; and reliable capacity considerations.

YEAR OF REPORT
December 31, 2000

Data here (page W-11) is total of both Interlachen Lakes Est. and Park Manor

			WATER USED	TOTAL WATER	
	WATER	FINISHED	FOR LINE	PUMPED AND	WATER SOLD
	PURCHASED	WATER PUMPED	FLUSHING,	PURCHASED	то
	FOR RESALE	FROM WELLS	FIGHTING	(Omit 000's)	CUSTOMERS
MONTH	(Omit 000's)	(Omit 000's)	FIRES, ETC.	(b) + (c)-(d)]	(Omit 000's)
(a)	(b)	(c)	(d)	(e)	(f)
January	0	1,470,200	15,480	1,454,720	202,070
February	o	1,415,400	5,040	1,410,360	216,320
March	0	1,637,800	230	1,637,570	243,790
April	0	1,362,200	790	1,361,410	231,610
May	0	1,984,900	860	1,984,040	226,830
June	0	1,589,100	160	1,588,940	229,470
July	0	1,362,800	260	1,362,540	222,630
August	0	1,549,200	310	1,548,890	175,960
September	0	1,352,500	190	1,352,310	206,990
October	0	1,756,900	440	1,756,460	181,950
November	0	1,194,700	50	1,194,650	200,150
December	0	1,002,600	150	1,002,450	224,560
Total for year	0	17,678,300	23,960	17,654,340	2,562,330

If water is purchased for i	resale, indicate the followin	ng:		
Vendor	N/A			
Point of delivery	N/A			
If water is sold to other w	ater utilities for redistributi	ion, list names of such	utilities below:	
DATA ABOVE INCLUDES	WATER PUMPED AND SC	LD TO PARK MANOR		

	CAPACITY	GALLONS	
	OF WELL	PER DAY	TYPE OF
List for each source of supply:	gpm	FROM SOURCE	SOURCE
Well #1	180	259,200	Deep Well
Well # 2	160	230,400	Deep Well

UTILITY NAME: FLORIDA WATER SERVICES

SYSTEM NAME / COUNTY: INTERLACHEN LAKE ESTATES / PUTNAM #470

YEAR OF REPORT
December 31, 2000

# WATER TREATMENT PLANT INFORMATION

Capacity of Plant	(GPD):		* 273,600	(Reliable Peak Hour)
Location of meas	urement			
(I.e. WellHead, S	torage Tank):		WellHead and/or Dist	ribution
Type of treatmer	nt (reverse osmosis,			
(sedimentation, o	hemical, aerated, etc,):		Chlorination and Aero	ation
		LIME TRE	ATMENT	
Unit rating (i.e.,	GPM, pounds			
	N/A		Manufacturer:	
per gallon):				4
per gallon):		FILTRA	 ATION	
per gallon):  Type and size of	area:	FILTRA	ATION	
_		FILTRA N/A	ATION  Manufacturer:	

<sup>\*</sup> High Service

Data here (page W-13) is total of both Interlachen Lakes Est. and Park Manor

# **CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL UNITS**

METER Size	TYPE OF METER*	EQUIVALENT FACTOR	NUMBER OF METERS	TOTAL NUMBER OF METER EQUIVALENTS (c x d)
(a)	(b)	(c)	(d) **	(e)
5/8"	Displacement	1.0	30	30
3/4"	Displacement	1.5	0	0
1"	Displacement	2.5	0	0
1 1/2"	Displacement or Turbine	5.0	1	5
2"	Displacement, Compound or Turbine	8.0	0	0
3"	Displacement	15.0	0	0
3"	Compound	16.0	0	0
3"	Turbine	17.5	0	0
4"	Displacement or Compound	25.0	0	0
4"	Turbine	30.0	0	0
6"	Displacement or Compound	50.0	0	0
6"	Turbine	62.5	0	0
8"	Compound	80.0	0	0
8"	Turbine	90.0	0	0
10"	Compound	115.0	0	0
10"	Turbine	145.0	0	0
12"	Turbine	215.0	0	0
	Total Water System Meter Equivalents		31	35

# CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL CONNECTION

Provide a calculation used to determine the value of one water equivalent residential connection (ERC). Use one of the following methods:

- (a) If actual flow data are available from the preceding 12 months, divide the total annual single family residence (SFR) gallons sold by the average number of single family residence customers for the same period and divide the result by 365 days.
- (b) If no historical flow data are available, use:

ERC = ( Total SFR gallons sold (Omit 000) / 365 days / 350 gallons per day )

Calculations: (a)		Average		
	SFR Gallons Sold	Customers	Days	ERC
	1,358,920	27	366	138
			•	

Furnish information below for each system. A separate page should be supplied where necessary.		
1.	Present ERC's * that system can efficiently serve.	27
2.	Maximum number of ERCs * which can be served **	497
3.	Present system connection capacity (in ERCs *) using existing lines.	28 .
4.	Future connection capacity (in ERCs *) upon service area buildout.	28
5.	Estimated annual increase in ERCs *. 0	
6.	Is the utility required to have fire flow capacity? No	
	If so, how much capacity is required?	
7.	Attach a description of the fire fighting facilities.	
8.	Describe any plans and estimated completion dates for any enlargements or implements or implements or implements.	provements of this system.
9.	When did the company last file a capacity analysis report with the DEP?	N/A
10.	If the present system does not meet the requirements of the DEP rules:	N/A
	a. Attach a description of the plnat upgrade necessary to meet the DEP rules.	
	b. Have these plans been approved by DEP?	
	c. When will construction begin?	
	d. Attach plans for funding the required upgrading.	
	e. Is this system under any Consent Order with DEP?	
11.	Department of Environmental Protection ID #. 2540873	
12.	Water Management District Consumptive Use Permit #	N/A
	a. Is the system in compliance with the requirements of the CUP?	
	b. If not, what are the utility's plans to gain compliance?	

<sup>\*</sup> An ERC is determined based on the calculation on W-13

<sup>\*\*</sup> Based on Max day capacity divided by 2 for small systems and 1.5 for large systems or Peak hour capacity divided by 4 for small systems or 3 for large systems. This calculation is not necessarily representative of the maximum ERCs that can be served due to changing peak demands; fire flow requirements; and reliable capacity considerations.

## **PUMPING AND PURCHASED WATER STATISTICS**

	WATER	FINISHED	FOR LINE	TOTAL WATER PUMPED AND	WATER SOLD
	PURCHASED	WATER PUMPED	FLUSHING,	PURCHASED	то
	FOR RESALE	FROM WELLS	FIGHTING	(Omit 000's)	CUSTOMERS
MONTH	(Omit 000's)	(Omit 000's)	FIRES, ETC.	(b) + (c)-(d)]	(Omit 000's)
(a)	(b)	(c)	(d)	(e)	(f)
January	234,200	0	320	233,880	203,550
February	232,200	0	260	231,940	245,170
March	312,300	0	620	311,680	257,140
April	187,600	0	1,400	186,200	222,970
May	189,800	0	5,450	184,350	182,760
June	158,900	0	560	158,340	182,140
July	170,200	0	600	169,600	167,700
August	132,700	0	380	132,320	144,910
September	141,000	0	520	140,480	155,705
October	152,500	0	17,620	134,880	139,960
November	183,500	0	2,910	180,590	167,170
December	224,900	0	5,080	219,820	229,420
Total for year	2,319,800	0	35,720	2,284,080	2,298,595

If water is purchased for resale, i	ndicate the following:
Vendor	Astor-Astor Park Water Association
Point of delivery	4 inch Kent Meter @ Juno Trail and Alice Dr.
If water is sold to other water ut	ilities for redistribution, list names of such utilities below:
N/A	

	CAPACITY	GALLONS	
	OF WELL	PER DAY	TYPE OF
List for each source of supply:	gpm	FROM SOURCE	SOURCE
Purchased water from AstorAstor Park Water Associa	ation		

UTILITY NAME: FLORIDA WATER SERVICES
SYSTEM NAME / COUNTY: JUNGLE DEN / VOLUSIA #1802

YEAR OF REPORT
December 31, 2000

## WATER TREATMENT PLANT INFORMATION

Capacity of Plant (GPD):	N/A	
Location of measurement		
(I.e. WellHead, Storage Tank):	N/A	
Type of treatment (reverse osmosis,		
(sedimentation, chemical, aerated, etc	): N/A	
	LIME TREATMENT	
Unit rating (i.e., GPM, pounds	LIME TREATMENT	
· · · · · · · · · · · · · · · · · · ·	LIME TREATMENT  Manufacturer:	
-		
· · · · · · · · · · · · · · · · · · ·	Manufacturer:	
per gallon): N/A	Manufacturer:	

December 31, 2000

## **CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL UNITS**

METER SIZE (a)	TYPE OF METER* (b)	EQUIVALENT FACTOR (c)	NUMBER OF METERS (d) **	TOTAL NUMBER OF METER EQUIVALENTS (c x d) (e)
5/8"	Displacement	1.0	115	115
3/4"	Displacement	1.5	0	0
1"	Displacement	2.5	0	0
1 1/2"	Displacement or Turbine	5.0	0	0
2"	Displacement, Compound or Turbine	8.0	0	0
3"	Displacement	15.0	0	0
3"	Compound	16.0	0	0
3"	Turbine	17.5	0	0
4"	Displacement or Compound	25.0	0	0
4"	Turbine	30.0	0	0
6"	Displacement or Compound	50.0	0	0
6"	Turbine	62.5	0	0
8"	Compound	80.0	0	0
8"	Turbine	90.0	0	0
10"	Compound	115.0	0	0
10"	Turbine	145.0	0	0
12"	Turbine	215.0	0	0
	Total Water System Meter Equivalents			115

## CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL CONNECTION

Provide a calculation used to determine the value of one water equivalent residential connection (ERC). Use one of the following methods:

- (a) If actual flow data are available from the preceding 12 months, divide the total annual single family residence (SFR) gallons sold by the average number of single family residence customers for the same period and divide the result by 365 days.
- (b) If no historical flow data are available, use: ERC = ( Total SFR gallons sold (Omit 000) / 365 days / 350 gallons per day )

Calculations: (a)		Average		
	SFR Gallons Sold	Customers	Days	ERC
	2,298,305	114	366	55

## OTHER WATER SYSTEM INFORMATION

vhere necessary.
114
N/A
116
128
nprovements of this system.
N/A
N/A
N/A

<sup>\*</sup> An ERC is determined based on the calculation on W-13

<sup>\*\*</sup> Based on Max day capacity divided by 2 for small systems and 1.5 for large systems or Peak hour capacity divided by 4 for small systems or 3 for large systems. This calculation is not necessarily representative of the maximum ERCs that can be served due to changing peak demands; fire flow requirements; and reliable capacity considerations.

UTILITY NAME: FLORIDA WATER SERVICES
SYSTEM NAME / COUNTY: JUNGLE DEN / VOLUSIA #1802

CALCULATION OF THE WASTEWATER SYSTEMS EQUIVALENT RESIDENTIAL UNITS

METER SIZE (a)	TYPE OF METER* (b)	EQUIVALENT FACTOR (c)	NUMBER OF WATER METERS (d)	TOTAL NUMBER OF METER EQUIVALENTS (c x d) (e)		
5/8"	Displacement	1.0	128	128		
3/4"	Displacement	1.5	0	0		
1"	Displacement	2.5	0	0		
1 1/2"	Displacement or Turbine	5.0	0	0		
2"	Displacement, Compound or Tur	8.0	0	. 0		
3"	Displacement	15.0	0	0		
3"	Compound	16.0	0	0		
3"	Turbine	17.5	0	0		
4"	Displacement or Compound	25.0	0	0		
4"	Turbine	30	0	0		
6"	Displacement or Compound	50.0	0	0		
6"	Turbine	62.5	0	0		
8"	Compound	80.0	0	0		
8"	Turbine	90.0	0	0		
10"	Compound	115.0	0	0		
10"	Turbine	145.0	0	0		
12"	Turbine	215.0	0	0		
	Total Wastewater System Meter Equivalents					

# CALCULATION OF THE WASTEWATER SYSTEMS EQUIVALENT RESIDENTIAL CONNECTIONS

Provide a calculation used to determine the value of one water equivalent residential connection (ERC Use one of the following methods:

- (a) If actual flow data are available from the preceding 12 months, divide the total annual single fa residence (SFR) gallons sold by the average number of single family residence customers for the sa period and divide the results by 365 days.
- (b) If no historical flow data are available, use:

ERC = (Total SFR gallons treated (Omit 000) / 365 days / 275 gallons per day )

For wastewater only utilities:

Subtract all general use and other non residential customer gallons from the total gallons treated. Divide the remainder (SFR customers) by 365 days to reveal single family residence customer gallons per day.

NOTE: Total gallons treated includes both treated and purchased treatment.

Calculations:		Average		
i	SFR Gallons Sold	Customers	Days	ERC
	2,714,227	123	366	60

**UTILITY NAME: FLORIDA WATER SERVICES** 

SYSTEM NAME / COUNTY: JUNGLE DEN / VOLUSIA #1802

YEAR OF REPORT December 31, 2000

#### TREATMENT PLANT

	10 011001 101 00011 1100		
Permitted Capacity (gpd)	21,000		
Basis of Permit Capacity (1)	AADF		
Manufacturer	DAVCO		
Type (2)	Extended Aeration		
Hydraulic Capacity (gpd)	21,000		
Average Daily Flow (mgd)	0.017	(Average of Max Month)	
Effluent Disposal (gpd)	21,000		
Total Gallons of WW Treated (mg)	4.848		
Method of Effluent Disposal	Percolation Pond, S	Spray Irrigation	•

- (1) Basis of permitted capacity as stated on the Florida DEP WWTP Operating Permit (i.e. average annual daily flow, etc.)
- (2) Contact stabilization, advanced treatment, etc.

UTILITY NAME: FLORIDA WATER SERVICES
SYSTEM NAME / COUNTY: JUNGLE DEN / VOLUSIA #1802

YEAR OF REPORT December 31, 2000

# OTHER WASTEWATER SYSTEM INFORMATION

Furnish information below for each system. A separate page should be supplied where necessary.
1. Present number of ERC's * now being served. 123
2. Maximum number of ERC's * which can be served.  ** Note: SFR gallons sold is not representative of total ww flow at plant.  3. Present system connection capacity (in ERCs*) using existing lines.  139
4. Future connection capacity (in ERCs*) upon service area buildout.** 155
5. Estimated annual increase in ERCs*
6. Describe any plans and estimate completion dates for any enlargements or improvements of this system.  None
<ul> <li>7. If the utility uses reuse as a means of effluent disposal, attach a list of the reuse end users and the amount of reuse provided to each, if known. N/A</li> <li>8. If the utility does not engage in reuse, has a reuse feasibility study been completed? No</li> </ul>
If so, when?
9. Has the utility been required by DEP or water management district to implement reuse? No
If so, what are the utility's plans to comply with this requireme
10. When did the company last file a capacity analysis report with the DEP?  June-00
a. Attach a description of the plant upgrade necessary to meet the DEP rules. b. Have these plans been approved by DEP c. When will construction begin? d. Attach plans for funding the required upgrading. e. Is this system under any Consent Order with DEP
12. Department of Environmental Protection ID # FLA011261

- \* An ERC is determined based on the calculation on S-11
- \*\* Based on meter equivalency factors for ERCs

S-13 21802 SYSTEM 1

## **PUMPING AND PURCHASED WATER STATISTICS**

SYSTEM IS ITERCONNECTED WITH KEYSTONE HEIGHTS

			WATER USED	TOTAL WATER	
	WATER	FINISHED	FOR LINE	PUMPED AND	WATER SOLD
	PURCHASED	WATER PUMPED	FLUSHING,	PURCHASED	то
	FOR RESALE	FROM WELLS	FIGHTING	(Omit 000's)	CUSTOMERS
MONTH	(Omit 000's)	(Omit 000's)	FIRES, ETC.	(b) + (c)-(d)]	(Omit 000's)
(a)	(b)	(c)	(d)	(e)	(f)
January	0	1,020,300	103,040	917,260	762,669
February	0	1,081,700	110,640	971,060	797,310
March	0	1,393,500	118,950	1,274,550	880,180
April	0	1,453,100	71,830	1,381,270	1,046,490
May	0	2,193,200	202,890	1,990,310	1,311,960
June	0	1,481,500	195,900	1,285,600	1,717,030
July	0	2,174,000	137,850	2,036,150	1,249,340
August	0	1,338,800	120,130	1,218,670	1,217,690
September	0	954,300	79,030	875,270	962,155
October	0	1,306,900	77,560	1,229,340	879,130
November	0	1,797,600	98,600	1,699,000	1,114,730
December	0	1,032,900	138,800	894,100	983,650
	Total Sold here fo	or Keystone Club only	,		
Total for year		17,227,800	1,455,220	15,772,580	#REF!

If water is purchased for r	esale, indicate the follo	owing:	
Vendor	N/A		
Point of delivery	N/A		
If water is sold to other w	ater utilities for redistri	bution, list names of such utilities below:	
N/A			
<del></del>			

	CAPACITY	GALLONS	
	OF WELL	PER DAY	TYPE OF
List for each source of supply:	gpm	FROM SOURCE	SOURCE
Well #1	375	540,000	Deep Well
Well # 2	375	540,000	Deep Well

UTILITY NAME: FLORIDA WATER SERVICES
SYSTEM NAME / COUNTY: KEYSTONE CLUB ESTATES /
BRADFORD #1279

YEAR OF REPORT
December 31, 2000

## WATER TREATMENT PLANT INFORMATION

Capacity of Plant (GPD):	* 540,000 (Reliable Peak Hour)		
Location of measurement			
(I.e. WellHead, Storage Tank):	WellHead and/or Distribution		
Type of treatment (reverse osmosis,			
(sedimentation, chemical, aerated, etc,):	Chlorination		
Unit rating (i.e., GPM, pounds per gallon): N/A	Manufacturer:		
per gallon): N/A	Manufacturer:		
per gallon): N/A	FILTRATION		

<sup>\*</sup> Wells

<sup>\*</sup> Interconnected with Keystone Heights.

## **CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL UNITS**

METER SIZE (a)	TYPE OF METER* (b)	EQUIVALENT FACTOR (c)	NUMBER OF METERS (d)	TOTAL NUMBER OF METER EQUIVALENTS (c x d) (e)
			**	
5/8"	Displacement	1.0	182	182
3/4"	Displacement	1.5	0	0
1"	Displacement	2.5	6	15
1 1/2"	Displacement or Turbine	5.0	0	0
2"	Displacement, Compound or Turbine	8.0	1	8
3"	Displacement	15.0	0	0
3"	Compound	16.0	0	0
3"	Turbine	17.5	0	0
4"	Displacement or Compound	25.0	0	0
4"	Turbine	30.0	0	0
6"	Displacement or Compound	50.0	0	0
6"	Turbine	62.5	0	0
8"	Compound	80.0	0	0
8"	Turbine	90.0	0	0
10"	Compound	115.0	0	0
10"	Turbine	145.0	0	0
12"	Turbine	215.0	0	0
	Total Water System Meter Equivalents		189	205

## CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL CONNECTION

Provide a calculation used to determine the value of one water equivalent residential connection (ERC).

Use one of the following methods:

- (a) If actual flow data are available from the preceding 12 months, divide the total annual single family residence (SFR) gallons sold by the average number of single family residence customers for the same period and divide the result by 365 days.
- (b) If no historical flow data are available, use:

ERC = ( Total SFR gallons sold (Omit 000) / 365 days / 350 gallons per day )

Calculations: (a)		Average		
	SFR Gallons Sold	Customers	Days	ERC
	12,921,524	164	366	215

#### BRADFORD #1279

## OTHER WATER SYSTEM INFORMATION

Furnish information below for each system. A separate page should be supplied v	where necessary.
1. Present ERC's * that system can efficiently serve.	164
2. Maximum number of ERCs * which can be served **	627
3. Present system connection capacity (in ERCs *) using existing lines.	176
4. Future connection capacity (in ERCs *) upon service area buildout.	176
5. Estimated annual increase in ERCs *. 2	
6. Is the utility required to have fire flow capacity? No	
If so, how much capacity is required?	
ii so, now much capacity is required:	
7. Attach a description of the fire fighting facilities.	
Describe any plans and estimated completion dates for any enlargements or in None	nprovements of this system.
**************************************	
9. When did the company last file a capacity analysis report with the DEP?	N/A
10. If the present system does not meet the requirements of the DEP rules:	N/A
a. Attach a description of the plnat upgrade necessary to meet the DEP rules.	
b. Have these plans been approved by DEP?	
c. When will construction begin?	
d. Attach plans for funding the required upgrading.	
e. Is this system under any Consent Order with DEP?	
11. Department of Environmental Protection ID #. 2040412	
12. Water Management District Consumptive Use Permit #	2-019-0010UM
a. Is the system in compliance with the requirements of the CUP?	Yes,
b. If not, what are the utility's plans to gain compliance?	It should be noted that
withdrawal quantities are dynamic and may fluctuate beyond permitted quantities d	luring the duration of
the permit. Permits are reviewed peridically to ascertain whether modifications nee	ed to be filed with the
water management district.	

<sup>\*</sup> An ERC is determined based on the calculation on W-13

\*\* Based on Max day capacity divided by 2 for small systems and 1.5 for large systems or Peak hour capacity divided by 4 for small systems or 3 for large systems. This calculation is not necessarily representative of the maximum ERCs that can be served due to changing peak demands; fire flow requirements; and reliable capacity considerations.

YEAR OF REPORT December 31, 2000

Data here (page W-12) is total of both Keystone Heights and Keystone Club Estates

## **PUMPING AND PURCHASED WATER STATISTICS**

			WATER USED	TOTAL WATER	
	WATER	FINISHED	FOR LINE	PUMPED AND	WATER SOLD
	PURCHASED	WATER PUMPED	FLUSHING,	PURCHASED	то
	FOR RESALE	FROM WELLS	FIGHTING	(Omit 000's)	CUSTOMERS
MONTH	(Omit 000's)	(Omit 000's)	FIRES, ETC.	(b) + (c)-(d)]	(Omit 000's)
(a)	(b)	(c)	(d)	(e)	(f)
January	0	10,556,200	186,330	10,369,870	8,475,647
February	0	11,550,400	173,960	11,376,440	8,503,805
March	0	13,379,800	173,930	13,205,870	10,936,535
April	o	11,840,200	233,910	11,606,290	11,093,845
May	0	19,392,200	127,710	19,264,490	13,210,313
June	o	13,996,290	53,330	13,942,960	18,271,160
July	0	11,413,200	83,140	11,330,060	11,640,190
August	0	11,602,400	16,290	11,586,110	10,957,183
September	0	9,461,400	121,860	9,339,540	10,148,105
October	0	12,352,100	173,430	12,178,670	8,481,942
November	0	11,899,500	247,800	11,651,700	11,170,489
December	0	10,684,900	230,460	10,454,440	10,211,520
Total for year	o	148,128,590	1,822,150	146,306,440	133,100,734

If water is purchased for	resale, indicate the follo	owing:	
Vendor	N/A		
Point of delivery	N/A		
If water is sold to other v	vater utilities for redistr	bution, list names of such utilities below:	

	CAPACITY	GALLONS	
	OF WELL	PER DAY	TYPE OF
List for each source of supply:	gpm	FROM SOURCE	SOURCE
Well #1	250	360,000	Deep Well
Well # 2	0	0	Deep Well
Well # 3	750	1,080,000	Deep Well

YEAR OF REPORT December 31, 2000

## WATER TREATMENT PLANT INFORMATION

Capacity of Plant (GPD):	* 360,000	(Reliable Peak Hour)
Location of measurement		
(I.e. WellHead, Storage Tank):	WellHead and/or D	istribution
Type of treatment (reverse osmosis,		
(sedimentation, chemical, aerated, etc,):	Chlorination	
и	ME TREATMENT	
LI Unit rating (i.e., GPM, pounds	ME TREATMENT	
Unit rating (i.e., GPM, pounds	ME TREATMENT  Manufacturer:	
Unit rating (i.e., GPM, pounds		
Unit rating (i.e., GPM, pounds	Manufacturer:	
Unit rating (i.e., GPM, pounds per gallon):  N/A  Type and size of area:	Manufacturer:	

<sup>\*</sup> Wells

<sup>\*</sup> Interconnected with Keystone Club Estates.

#### **CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL UNITS**

METER SIZE (a)	TYPE OF METER* (b)	EQUIVALENT FACTOR (c)	NUMBER OF METERS (d) **	TOTAL NUMBER OF METER EQUIVALENTS (c x d) (e)
5/8"	Displacement	1.0	1,067	1,067
3/4"	Displacement	1.5	0	0
1"	Displacement	2.5	22	55
1 1/2"	Displacement or Turbine	5.0	4	20
2"	Displacement, Compound or Turbine	8.0	15	120
3"	Displacement	15.0	0	0
3"	Compound	16.0	0	0
3"	Turbine	17.5	6	105
4"	Displacement or Compound	25.0	0	0
4"	Turbine	30.0	3	90
6"	Displacement or Compound	50.0	0	0
6"	Turbine	62.5	3	188
8"	Compound	80.0	0	0
8"	Turbine	90.0	0	0
10"	Compound	115.0	0	0
10"	Turbine	145.0	0	0
12"	Turbine	215.0	0	0
	Total Water System Meter Equivalents		1,120	1,645

#### CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL CONNECTION

Provide a calculation used to determine the value of one water equivalent residential connection (ERC). Use one of the following methods:

- (a) If actual flow data are available from the preceding 12 months, divide the total annual single family residence (SFR) gallons sold by the average number of single family residence customers for the same period and divide the result by 365 days.
- (b) If no historical flow data are available, use:

  ERC = ( Total SFR gallons sold (Omit 000) / 365 days / 350 gallons per day )

Calculations: (a)		Average		
	SFR Gallons Sold	Customers	Days	ERC
	88,257,340	914	366	264

#### OTHER WATER SYSTEM INFORMATION

Furnish information below for each system. A separate page should be supplied wh	nere necessary.
1. Present ERC's * that system can efficiently serve.	914
2. Maximum number of ERCs * which can be served **	341
3. Present system connection capacity (in ERCs *) using existing lines.	924
4. Future connection capacity (in ERCs *) upon service area buildout.	1,100
5. Estimated annual increase in ERCs *. 16	
6. Is the utility required to have fire flow capacity? Yes	
If so, how much capacity is required? 1000 gpm	
7. Attach a description of the fire fighting facilities. See W-14 Exhibit Q-7	
8. Describe any plans and estimated completion dates for any enlargements or imp Relocate approximately 4,000 LF of existing 2, 4 and 6-inch water mains to accommo	
Roadway & Drainage Improvements Project. Install approx. 10,000 LF of new	
transmission main and upgrade Well 3 from 500 to 750 gpm. Completion Date	: June 2001.
9. When did the company last file a capacity analysis report with the DEP?	N/A
10. If the present system does not meet the requirements of the DEP rules:	N/A
a. Attach a description of the plnat upgrade necessary to meet the DEP rules.	
b. Have these plans been approved by DEP?	
c. When will construction begin?	
d. Attach plans for funding the required upgrading.	
e. Is this system under any Consent Order with DEP?	
11. Department of Environmental Protection ID #. 2100610	
12. Water Management District Consumptive Use Permit #	2-019-0010UM
a. Is the system in compliance with the requirements of the CUP?	Yes,
b. If not, what are the utility's plans to gain compliance?	It should be noted that
withdrawal quantities are dynamic and may fluctuate beyond permitted quantities du	ring the duration of
the permit. Permits are reviewed peridically to ascertain whether modifications need	to be filed with the
water management district.	

<sup>\*</sup> An ERC is determined based on the calculation on W-13

<sup>\*\*</sup> Based on Max day capacity divided by 2 for small systems and 1.5 for large systems or Peak hour capacity divided by 4 for small systems or 3 for large systems. This calculation is not necessarily representative of the maximum ERCs that can be served due to changing peak demands; fire flow requirements; and reliable capacity considerations.

## PUMPING AND PURCHASED WATER STATISTICS

			WATER USED	TOTAL WATER	
	WATER	FINISHED	FOR LINE	PUMPED AND	WATER SOLD
	PURCHASED	WATER PUMPED	FLUSHING,	PURCHASED	то
	FOR RESALE	FROM WELLS	FIGHTING	(Omit 000's)	CUSTOMERS
MONTH	(Omit 000's)	(Omit 000's)	FIRES, ETC.	(b) + (c)-(d)]	(Omit 000's)
(a)	(b)	(c)	(d)	(e)	(f)
January	229,900	0	6,000	223,900	225,830
February	203,600	0	5,000	198,600	189,288
March	283,400	0	5,000	278,400	263,870
April	261,600	0	9,000	252,600	242,700
May	392,000	0	0	392,000	291,682
June	334,500	0	o	334,500	325,028
July	257,000	0	o	257,000	236,600
August	337,200	0	o	337,200	280,240
September	276,300	0	o	276,300	320,950
October	351,800	0	0	351,800	301,840
November	265,800	0	0	265,800	271,750
December	264,500	0	0	264,500	239,730
Total for year	3,457,600	0	25,000	3,432,600	3,189,508

If water is purchased for re	sale, indicate the following:
Vendor	Brevard County Utilities
Point of delivery	4" Compound Badger meter at entrance to Kingswood Subdivision
If water is sold to other wa	ter utilities for redistribution, list names of such utilities below:
N/A	

	CAPACITY	GALLONS	
	OF WELL	PER DAY	TYPE OF
List for each source of supply:	gpm	FROM SOURCE	SOURCE
Purchased water from Brevard County Utilities			

UTILITY NAME: FLORIDA WATER SERVICES
SYSTEM NAME / COUNTY: KINGSWOOD / BREVARD #1701

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## WATER TREATMENT PLANT INFORMATION

Capacity of Plant (GPD):	N/A	
Location of measurement		
(I.e. WellHead, Storage Tank):	N/A	
Type of treatment (reverse osmosis,		
(sedimentation, chemical, aerated, etc	c,): N/A	
	LIME TREATMENT	
	LIME TREATMENT	
Unit rating (i.e., GPM, pounds	LINE THEATWENT	
Unit rating (i.e., GPM, pounds per gallon):	Manufacturer:	
-		
-	Manufacturer:	
per gallon): N/A	Manufacturer:	

#### CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL UNITS

METER SIZE (a)	TYPE OF METER* (b)	EQUIVALENT FACTOR (c)	NUMBER OF METERS (d) **	TOTAL NUMBER OF METER EQUIVALENTS (c x d) (e)
5/8"	Displacement	1.0	66	66
3/4"	Displacement	1.5	0	0
1"	Displacement	2.5	0	0
1 1/2"	Displacement or Turbine	5.0	0	0
2"	Displacement, Compound or Turbine	8.0	0	0
3"	Displacement	15.0	0	0
3"	Compound	16.0	0	0
3"	Turbine	17.5	0	0
4"	Displacement or Compound	25.0	0	0
4"	Turbine	30.0	0	0
6"	Displacement or Compound	50.0	0	0
6"	Turbine	62.5	0	0
8"	Compound	80.0	0	0
8"	Turbine	90.0	0	0
10"	Compound	115.0	0	0
10"	Turbine	145.0	0	0
12"	Turbine	215.0	0	0
	Total Water System Meter Equivalents		66	66

#### CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL CONNECTION

Provide a calculation used to determine the value of one water equivalent residential connection (ERC). Use one of the following methods:

- (a) If actual flow data are available from the preceding 12 months, divide the total annual single family residence (SFR) gallons sold by the average number of single family residence customers for the same period and divide the result by 365 days.
- (b) If no historical flow data are available, use:

  ERC = ( Total SFR gallons sold (Omit 000) / 365 days / 350 gallons per day )

Calculations: (a)		Average		
	SFR Gallons Sold	Customers	Days	ERC
	3,189,508	59	366	148

## **OTHER WATER SYSTEM INFORMATION**

. Present ERC's * that system can efficiently serve.	59
. Maximum number of ERCs * which can be served * *	N/A
. Present system connection capacity (in ERCs *) using existing lines.	61
Future connection capacity (in ERCs *) upon service area buildout.	61
Estimated annual increase in ERCs *. 0	
Is the utility required to have fire flow capacity? No  If so, how much capacity is required?	
. Attach a description of the fire fighting facilities.	
. Describe any plans and estimated completion dates for any enlargements of None	or improvements of this system
When did the company last file a capacity analysis report with the DEP?	N/A
. If the present system does not meet the requirements of the DEP rules:	N/A
a. Attach a description of the plnat upgrade necessary to meet the DEP ru	lles.
b. Have these plans been approved by DEP?	
c. When will construction begin?	
d. Attach plans for funding the required upgrading.	
d. Attach plans for funding the required upgrading.  e. Is this system under any Consent Order with DEP?	
e. Is this system under any Consent Order with DEP?	
e. Is this system under any Consent Order with DEP?  1. Department of Environmental Protection ID #.  N/A	N/A
e. Is this system under any Consent Order with DEP?	N/A

<sup>\*</sup> An ERC is determined based on the calculation on W-13

<sup>\*\*</sup> Based on Max day capacity divided by 2 for small systems and 1.5 for large systems or Peak hour capacity divided by 4 for small systems or 3 for large systems. This calculation is not necessarily representative of the maximum ERCs that can be served due to changing peak demands; fire flow requirements; and reliable capacity considerations.

## **PUMPING AND PURCHASED WATER STATISTICS**

			WATER USED	TOTAL WATER	
	WATER	FINISHED	FOR LINE	PUMPED AND	WATER SOLD
	PURCHASED	WATER PUMPED	FLUSHING,	PURCHASED	то
	FOR RESALE	FROM WELLS	FIGHTING	(Omit 000's)	CUSTOMERS
MONTH	(Omit 000's)	(Omit 000's)	FIRES, ETC.	(b) + (c)-(d)]	(Omit 000's)
(a)	(b)	(c)	(d)	(e)	(f)
January	0	987,280	85,400	901,880	912,610
February	0	918,090	134,500	783,590	740,230
March	0	1,172,790	13,300	1,159,490	1,046,590
April	0	1,443,910	15,400	1,428,510	1,306,340
May	0	2,068,450	7,100	2,061,350	1,584,130
June	0	1,572,270	8,800	1,563,470	1,756,090
July	0	1,010,400	6,200	1,004,200	1,070,647
August	o	972,100	19,500	952,600	746,568
September	0	968,640	3,900	964,740	937,660
October	o	1,224,180	13,100	1,211,080	963,736
November	0	1,233,190	8,200	1,224,990	1,167,514
December	0	1,102,760	6,300	1,096,460	1,101,810
Total for year	0	14,674,060	321,700	14,352,360	13,333,925

If water is purchased for resa	ile, indicate the follow	ring:
Vendor	N/A	
Point of delivery	N/A	
If water is sold to other wate	r utilities for redistrib	ution, list names of such utilities below:
N/A		

	CAPACITY	GALLONS	
	OF WELL	PER DAY	TYPE OF
List for each source of supply:	gpm	FROM SOURCE	SOURCE
Well #1	290	417,600	Deep Well
Well # 2	85	122,400	Deep Well
Well # 3	100	144,000	Deep Well - Off Line
Well # 4	85	122,400	Deep Well

UTILITY NAME: FLORIDA WATER SERVICES
SYSTEM NAME / COUNTY: LAKE AJAY / OSCEOLA #773

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## WATER TREATMENT PLANT INFORMATION

Capacity of Plant (GPD):	* 230,400	(Reliable Peak Hour)
Location of measurement		
(I.e. WellHead, Storage Tank):	WellHead	and/or Distribution
Type of treatment (reverse osmosis,		
(sedimentation, chemical, aerated, e	to,): Chlorination	on and Aeration
	LIME TREATMENT	
Unit rating (i.e., GPM, pounds	LIME TREATMENT	
•		facturer:
•		facturer:
per gallon): N/A	Manuf	facturer:
Unit rating (i.e., GPM, pounds per gallon): N/A  Type and size of area:  Pressure (in square feet):	Manuf FILTRATION	facturer:

<sup>\*</sup> Limited by High Service Pumps

## **CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL UNITS**

METER SIZE	TYPE OF METER*	EQUIVALENT FACTOR	NUMBER OF METERS	TOTAL NUMBER OF METER EQUIVALENTS (c x d)
(a)	(b)	(c)	(d) **	(e)
5/8"	Displacement	1.0	97	97
3/4"	Displacement	1.5	1	2
1"	Displacement	2.5	1	3
1 1/2"	Displacement or Turbine	5.0	11	5
2"	Displacement, Compound or Turbine	8.0	1	8
3"	Displacement	15.0	0	0
3"	Compound	16.0	0	0
3"	Turbine	17.5	0	0
4"	Displacement or Compound	25.0	0	0
4"	Turbine	30.0	0	0
6"	Displacement or Compound	50.0	0	0
6"	Turbine	62.5	0	0
8"	Compound	80.0	0	0
8"	Turbine	90.0	0	0
10"	Compound	115.0	0	0
10"	Turbine	145.0	0	0
12"	Turbine	215.0	0	0
	Total Water System Meter Equivalents		101	114

## CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL CONNECTION

Provide a calculation used to determine the value of one water equivalent residential connection (ERC). Use one of the following methods:

- (a) If actual flow data are available from the preceding 12 months, divide the total annual single family residence (SFR) gallons sold by the average number of single family residence customers for the same period and divide the result by 365 days.
- (b) If no historical flow data are available, use:

ERC = ( Total SFR gallons sold (Omit 000) / 365 days / 350 gallons per day )

Calculations: (a)		Average		
	SFR Gallons Sold	Customers	Days	ERC
	13,310,605	96	366	379

#### OTHER WATER SYSTEM INFORMATION

Fur	nish information below for each system. A separate page should be supplied w	here necessary.
1.	Present ERC's * that system can efficiently serve.	96
2.	Maximum number of ERCs * which can be served **	152
3.	Present system connection capacity (in ERCs *) using existing lines.	102
4.	Future connection capacity (in ERCs *) upon service area buildout.	102
5.	Estimated annual increase in ERCs *. 2	
6.	Is the utility required to have fire flow capacity? Yes	
	If so, how much capacity is required? 250 gpm	
7.	Attach a description of the fire fighting facilities. See W-14 Exhibit Q-7	
8.	Describe any plans and estimated completion dates for any enlargements or implements or implements.	provements of this system.
	When did the company last file a capacity analysis report with the DEP?	N/A
10.	If the present system does not meet the requirements of the DEP rules:	N/A
	a. Attach a description of the plnat upgrade necessary to meet the DEP rules.	
	b. Have these plans been approved by DEP?	
	c. When will construction begin?	
	d. Attach plans for funding the required upgrading.	
	e. Is this system under any Consent Order with DEP?	
11.	Department of Environmental Protection ID #. 3491956	
12.	Water Management District Consumptive Use Permit #	4900415W
	a. Is the system in compliance with the requirements of the CUP?	Yes,
	b. If not, what are the utility's plans to gain compliance?	It should be noted that
	withdrawal quantities are dynamic and may fluctuate beyond permitted quantities du	ring the duration of
	the permit. Permits are reviewed peridically to ascertain whether modifications need	I to be filed with the
	water management district.	

<sup>\*</sup> An ERC is determined based on the calculation on W-13

\*\* Based on Max day capacity divided by 2 for small systems and 1.5 for large systems or Peak hour capacity divided by 4 for small systems or 3 for large systems. This calculation is not necessarily representative of the maximum ERCs that can be served due to changing peak demands; fire flow requirements; and reliable capacity considerations.

UTILITY NAME: FLORIDA WATER SERVICES
SYSTEM NAME / COUNTY: LAKE BRANTLEY / SEMINOLE #325

# PUMPING AND PURCHASED WATER STATISTICS

	WATER	FINISHED	FOR LINE	PUMPED AND	WATER SOLD
	PURCHASED	WATER PUMPED	FLUSHING,	PURCHASED	TO
	FOR RESALE	FROM WELLS	FIGHTING	(Omit 000's)	CUSTOMERS
MONTH	(Omit 000's)	(Omit 000's)	FIRES, ETC.	(b) + (c)-(d)]	(Omit 000's)
(a)	(b)	(c)	(d)	(e)	(f)
January	0	485,400	22,000	463,400	474,010
February	0	541,700	25,000	516,700	427,400
March	0	587,900	0	587,900	556,200
April	0	685,100	25,000	660,100	553,190
May	0	1,143,000	38,000	1,105,000	832,510
June	0	746,900	42,000	704,900	917,380
July	0	568,100	34,000	534,100	697,350
August	0	576,300	46,000	530,300	567,920
September	0	571,600	31,000	540,600	488,460
October	0	739,600	30,000	709,600	517,120
November	0	579,700	46,000	533,700	658,430
December	0	536,300	34,000	502,300	496,340
Total for year	o	7,761,600	373,000	7,388,600	7,186,310

,		
If water is purchased for	resale, indicate the follo	wing:
Vendor	N/A	
Point of delivery	N/A	
	vater utilities for redistri	bution, list names of such utilities below:
N/A		

	CAPACITY OF WELL	GALLONS PER DAY	TYPE OF
List for each source of supply:	gpm	FROM SOURCE	SOURCE
Well #1	100	144,000	Deep Well

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#### WATER TREATMENT PLANT INFORMATION

Capacity of Plant (GPD):	* 144,00	00	(Peak Hour)	
Location of measurement				
(I.e. WellHead, Storage Tank):	WellHe	ead and/or Distri	bution	
Type of treatment (reverse osmosis,				
(sedimentation, chemical, aerated, et	c,): Chlorin	ation and Aerat	ion	
	LIME TREATMENT	г		
Unit rating (i.e., GPM, pounds	LIME TREATMENT	Г		
-		r nufacturer:		
-				
-	Ma			
per gallon): N/A	Ma FILTRATION			

<sup>\*</sup> High Service

#### CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL UNITS

METER SIZE (a)	TYPE OF METER* (b)	EQUIVALENT FACTOR (e)	NUMBER OF METERS (d)	TOTAL NUMBER OF METER EQUIVALENTS (c x d) (e)
(4)	(3)	(6,	**	(6)
5/8"	Displacement	1.0	70	70
3/4"	Displacement	1.5	0	0
1"	Displacement	2.5	0	0
1 1/2"	Displacement or Turbine	5.0	0	0
2"	Displacement, Compound or Turbine	8.0	1	8
3"	Displacement	15.0	0	0
3"	Compound	16.0	0	0
3"	Turbine	17.5	0	0
4"	Displacement or Compound	25.0	0	0
4"	Turbine	30.0	0	0
6"	Displacement or Compound	50.0	0	0
6"	Turbine	62.5	0	0
8"	Compound	80.0	0	0
8"	Turbine	90.0	0	0
10"	Compound	115.0	0	0
10"	Turbine	145.0	0	0
12"	Turbine	215.0	0	0
	Total Water System Meter Equivalents		71	78

#### CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL CONNECTION

Provide a calculation used to determine the value of one water equivalent residential connection (ERC). Use one of the following methods:

- (a) If actual flow data are available from the preceding 12 months, divide the total annual single family residence (SFR) gallons sold by the average number of single family residence customers for the same period and divide the result by 365 days.
- (b) If no historical flow data are available, use: ERC = ( Total SFR gallons sold (Omit 000) / 365 days / 350 gallons per day )

Calculations: (a)		Average			
	SFR Gallons Sold	Customers	Days	ERC	
	7,181,120	68	366	289	
					١

## OTHER WATER SYSTEM INFORMATION

Furnish information below for each system. A separate page should be supplied w	here necessary.
Present ERC's * that system can efficiently serve.	68
2. Maximum number of ERCs * which can be served **	125
3. Present system connection capacity (in ERCs *) using existing lines.	80
4. Future connection capacity (in ERCs *) upon service area buildout.	80
5. Estimated annual increase in ERCs *. 0	
6. Is the utility required to have fire flow capacity? No  If so, how much capacity is required?	
7. Attach a description of the fire fighting facilities.	
Describe any plans and estimated completion dates for any enlargements or important Mone	provements of this system.
9. When did the company last file a capacity analysis report with the DEP?	N/A
10. If the present system does not meet the requirements of the DEP rules:	N/A
a. Attach a description of the plnat upgrade necessary to meet the DEP rules.	
b. Have these plans been approved by DEP?	
c. When will construction begin?	
d. Attach plans for funding the required upgrading.	
e. Is this system under any Consent Order with DEP?	
11. Department of Environmental Protection ID #. 3590685	
12. Water Management District Consumptive Use Permit #	8361
a. Is the system in compliance with the requirements of the CUP?	Yes,
b. If not, what are the utility's plans to gain compliance?     withdrawal quantities are dynamic and may fluctuate beyond permitted quantities duals.	It should be noted that uring the duration of
the permit. Permits are reviewed peridically to ascertain whether modifications need	d to be filed with the
water management district.	WW

<sup>\*</sup> An ERC is determined based on the calculation on W-13

<sup>\*\*</sup> Based on Max day capacity divided by 2 for small systems and 1.5 for large systems or Peak hour capacity divided by 4 for small systems or 3 for large systems. This calculation is not necessarily representative of the maximum ERCs that can be served due to changing peak demands; fire flow requirements; and reliable capacity considerations.

## PUMPING AND PURCHASED WATER STATISTICS

			WATER USED	TOTAL WATER	
	WATER	FINISHED	FOR LINE	PUMPED AND	WATER SOLD
	PURCHASED	WATER PUMPED	FLUSHING,	PURCHASED	то
	FOR RESALE	FROM WELLS	FIGHTING	(Omit 000's)	CUSTOMERS
MONTH	(Omit 000's)	(Omit 000's)	FIRES, ETC.	(b) + (c)-(d)]	(Omit 000's)
(a)	(b)	(c)	(d)	(e)	(f)
January	0	7,383,000	752,900	6,630,100	5,588,138
February	o	8,063,000	1,126,650	6,936,350	5,869,972
March	0	8,735,000	861,100	7,873,900	6,656,010
April	0	8,488,000	570,570	7,917,430	7,170,530
May	0	11,072,000	811,250	10,260,750	7,684,444
June	o	9,681,000	234,850	9,446,150	9,356,460
July	0	7,488,000	881,330	6,606,670	8,067,380
August	0	7,272,000	209,260	7,062,740	6,292,730
September	o	6,814,000	2,460,920	4,353,080	6,127,140
October	0	8,301,000	157,130	8,143,870	6,477,323
November	0	7,792,000	156,160	7,635,840	6,601,205
December	0	6,863,000	166,565	6,696,435	7,077,635
Total for year	o	97,952,000	8,388,685	89,563,315	82,968,967

If water is purchased for	resale, indicate the follow	ving:	
Vendor	N/A		
Point of delivery	N/A		
 		wing the same of such withing training	
	water utilities for redistrib	ution, list names of such utilities below:	
N/A			

	CAPACITY	GALLONS	
	OF WELL	PER DAY	TYPE OF
List for each source of supply:	gpm	FROM SOURCE	SOURCE
Well #1	700	1,008,000	Deep Well
Well # 2	400	576,000	Deep Well

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## WATER TREATMENT PLANT INFORMATION

Capacity of Plant (GPD):	* <u>5</u>	76,000	(Reliable Peak Hour)
Location of measurement			
(I.e. WellHead, Storage Tank):	<u>v</u>	VellHead and/or Dis	tribution
Type of treatment (reverse osmosis,			
(sedimentation, chemical, aerated, etc.)	): <u>C</u>	hlorination	
	LIME TREAT	MENT	
Unit rating (i.e., GPM, pounds			
• • • • • • • • • • • • • • • • • • • •		Manufacturer:	
•	FILTRATI		
per gallon): N/A	FILTRATI		
Unit rating (i.e., GPM, pounds per gallon): N/A  Type and size of area:  Pressure (in square feet):	FILTRATI		

<sup>\*</sup> Wells

#### **CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL UNITS**

METER SIZE (a)	TYPE OF METER* (b)	EQUIVALENT FACTOR (c)	NUMBER OF METERS (d)	TOTAL NUMBER OF METER EQUIVALENTS (c x d) (e)
		,,	**	1.57
5/8"	Displacement	1.0	802	802
3/4"	Displacement	1.5	3	5
1"	Displacement	2.5	6	15
1 1/2"	Displacement or Turbine	5.0	1	5
2"	Displacement, Compound or Turbine	8.0	4	32
3"	Displacement	15.0	0	0
3"	Compound	16.0	0	0
3"	Turbine	17.5	0	0
4"	Displacement or Compound	25.0	0	0
4"	Turbine	30.0	0	0
6"	Displacement or Compound	50.0	0	0
6"	Turbine	62.5	0	0
8"	Compound	80.0	0	0
8"	Turbine	90.0	0	0
10"	Compound	115.0	0	0
10"	Turbine	145.0	0	0
12"	Turbine	215.0	0	0
	Total Water System Meter Equivalents		816	859

#### CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL CONNECTION

Provide a calculation used to determine the value of one water equivalent residential connection (ERC). Use one of the following methods:

- (a) If actual flow data are available from the preceding 12 months, divide the total annual single family residence (SFR) gallons sold by the average number of single family residence customers for the same period and divide the result by 365 days.
- (b) If no historical flow data are available, use: ERC = ( Total SFR gallons sold (Omit 000) / 365 days / 350 gallons per day )

Calculations: (a)		Average		
	SFR Gallons Sold	Customers	Days	ERC
	79,364,647	775	366	280

## OTHER WATER SYSTEM INFORMATION

Furnish information below for each system. A separate page should be supplied	where necessary.
1. Present ERC's * that system can efficiently serve.	775
2. Maximum number of ERCs * which can be served **	515
3. Present system connection capacity (in ERCs *) using existing lines.	807
4. Future connection capacity (in ERCs *) upon service area buildout.	826
5. Estimated annual increase in ERCs *. 27	
6. Is the utility required to have fire flow capacity? No	
If so, how much capacity is required?	
7. Attach a description of the fire fighting facilities	
Describe any plans and estimated completion dates for any enlargements or in None	mprovements of this system.
9. When did the company last file a capacity analysis report with the DEP?  10. If the present system does not meet the requirements of the DEP rules:	N/A
a. Attach a description of the plnat upgrade necessary to meet the DEP rules	3.
b. Have these plans been approved by DEP?	
c. When will construction begin?	
d. Attach plans for funding the required upgrading.	
e. Is this system under any Consent Order with DEP?	
11. Department of Environmental Protection ID #. 6532347	
12. Water Management District Consumptive Use Permit #	207878.02
a. Is the system in compliance with the requirements of the CUP?	Yes,
b. If not, what are the utility's plans to gain compliance?     withdrawal quantities are dynamic and may fluctuate beyond permitted quantities	It should be noted that
the permit. Permits are reviewed peridically to ascertain whether modifications no	sed to be filed with the
water management district.	

<sup>\*</sup> An ERC is determined based on the calculation on W-13

<sup>\*\*</sup> Based on Max day capacity divided by 2 for small systems and 1.5 for large systems or Peak hour capacity divided by 4 for small systems or 3 for large systems. This calculation is not necessarily representative of the maximum ERCs that can be served due to changing peak demands; fire flow requirements; and reliable capacity considerations.

UTILITY NAME: FLORIDA WATER SERVICES
SYSTEM NAME / COUNTY: LAKE GIBSON / POLK #210

#### CALCULATION OF THE WASTEWATER SYSTEMS EQUIVALENT RESIDENTIAL UNITS

METER SIZE (a)	TYPE OF METER* (b)	EQUIVALENT FACTOR (c)	NUMBER OF WATER METERS (d)	TOTAL NUMBER OF METER EQUIVALENTS (c x d) (e)
5/8"	Displacement	1.0	285	285
3/4"	Displacement	1.5	0	0
1"	Displacement	2.5	0	0
1 1/2"	Displacement or Turbine	5.0	1	5
2"	Displacement, Compound or Tur	8.0	0	0
3"	Displacement	15.0	0	0
3"	Compound	16.0	0	0
3"	Turbine	17.5	0	0
4"	Displacement or Compound	25.0	0	0
4"	Turbine	30	0	0
6"	Displacement or Compound	50.0	0	0
6"	Turbine	62.5	0	0
8"	Compound	80.0	0	0
8"	Turbine	90.0	0	0
10"	Compound	115.0	0	0
10"	Turbine	145.0	0	0
12"	Turbine	215.0	0	0
	Total Wastewater System Meter E	quivalents		290

# CALCULATION OF THE WASTEWATER SYSTEMS EQUIVALENT RESIDENTIAL CONNECTIONS

Provide a calculation used to determine the value of one water equivalent residential connection (ERC Use one of the following methods:

- (a) If actual flow data are available from the preceding 12 months, divide the total annual single fa residence (SFR) gallons sold by the average number of single family residence customers for the sa period and divide the results by 365 days.
- (b) If no historical flow data are available, use:

ERC = ( Total SFR gallons treated (Omit 000) / 365 days / 275 gallons per day )

For wastewater only utilities:

Subtract all general use and other non residential customer gallons from the total gallons treated. Divide the remainder (SFR customers) by 365 days to reveal single family residence customer gallons per day.

NOTE: Total gallons treated includes both treated and purchased treatment.

Calculations:		Average		
	SFR Gallons Sold	Customers	Days	ERC
	15,900,164	270	366	161

**UTILITY NAME: FLORIDA WATER SERVICES** 

SYSTEM NAME / COUNTY: LAKE GIBSON / POLK #210

YEAR OF REPORT December 31, 2000

#### TREATMENT PLANT

Permitted Capacity (gpd)	100,000			
Basis of Permit Capacity (1)	M3MADF			
Manufacturer	MARLOF			
Type (2)	Contact Stabilization/Extended Aeration			
Hydraulic Capacity (gpd)	100,000			
Average Daily Flow (mgd)	0.086	(Average of Max Month)		
Effluent Disposal (gpd)	85,000			
Total Gallons of WW Treated (mg)	26.284			
Method of Effluent Disposal	Percolation Ponds, D	Orip Irrigation		

- (1) Basis of permitted capacity as stated on the Florida DEP WWTP Operating Permit (i.e. average annual daily flow, etc.)
- (2) Contact stabilization, advanced treatment, etc.

UTILITY NAME: FLORIDA WATER SERVICES
SYSTEM NAME / COUNTY: LAKE GIBSON / POLK #210

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## OTHER WASTEWATER SYSTEM INFORMATION

Furnish information below for each system. A se	parate page should be supplied where necessary.
Present number of ERC's * now being served	270
Maximum number of ERC's * which can be served.  ** Note: SFR gallons sold is not representative of total www flow at plant.	400 **
Present system connection capacity (in ERCs*) using a	existing lines. 258
4. Future connection capacity (in ERCs*) upon service are	ea buildout.** 304
5. Estimated annual increase in ERCs* 0	
6. Describe any plans and estimate completion dates for Ongoing collection system upgrades. Estimated co	
7. If the utility uses reuse as a means of effluent disposal of reuse provided to each, if known.  N/A  8. If the utility does not engage in reuse, has a reuse feas	
If so, when?	
Has the utility been required by DEP or water managen	nent district to implement reuse? No
If so, what are the utility's plans to comply w	vith this requireme
10. When did the company last file a capacity analysis re	port with the DEP? April-99
<ul> <li>11. If the present system does not meet the requirements</li> <li>a. Attach a description of the plant upgrade</li> <li>b. Have these plans been approved by DEP \( \)</li> <li>c. When will construction begin? April-01</li> </ul>	necessary to meet the New Inteconnection /es
<ul><li>d. Attach plans for funding the required upgr</li><li>e. Is this system under any Consent Order w</li></ul>	
12. Department of Environmental Protection ID #	FLA013040-002-DW3P

- \* An ERC is determined based on the calculation on S-11
- \*\* Based on meter equivalency factors for ERCs

S-13 20210

## **PUMPING AND PURCHASED WATER STATISTICS**

MONTH	WATER PURCHASED FOR RESALE (Omit 000's)	FINISHED WATER PUMPED FROM WELLS (Omit 000's)	WATER USED FOR LINE FLUSHING, FIGHTING FIRES, ETC.	TOTAL WATER PUMPED AND PURCHASED (Omit 000's) (b) + (c)-(d)]	WATER SOLD TO CUSTOMERS (Omit 000's)
(a)	(b)	(c)	(d)	(e)	(f)
January	20,000	2,250,100	74,000	2,196,100	2,285,380
February	0	2,257,000	100,000	2,157,000	2,115,082
March	0	2,797,000	0	2,797,000	2,469,409
April	0	2,633,200	130,000	2,503,200	2,794,540
May	0	3,428,100	121,000	3,307,100	2,872,390
June	2,000	3,079,000	53,000	3,028,000	3,298,088
July	67,000	2,422,900	0	2,489,900	2,775,040
August	0	2,486,000	75,000	2,411,000	2,467,770
September	0	2,077,100	82,000	1,995,100	2,382,126
October	0	2,590,900	90,000	2,500,900	2,088,360
November	0	2,515,300	75,000	2,440,300	2,611,650
December	4,000	2,128,800	83,000	2,049,800	2,375,847
Total for year	93,000	30,665,400	883,000	29,875,400	30,535,682

If water is purchased for r	esale, indicate the following:	
Vendor	City of Altamonte Springs	
Point of delivery	6" Neptune meter at the WTP	
If water is sold to other w	ater utilities for redistribution, list names of such utilities below:	
N/A		
L		

	CAPACITY	GALLONS	
	OF WELL	PER DAY	TYPE OF
List for each source of supply:	gpm	FROM SOURCE	SOURCE
Well #1	600	864,000	Deep Well

UTILITY NAME: FLORIDA WATER SERVICES
SYSTEM NAME / COUNTY: LAKE HARRIET / SEMINOLE #323

YEAR OF REPORT
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## WATER TREATMENT PLANT INFORMATION

Capacity of Plant (GPD):	* 576,000 (Peak Hour)	
Location of measurement		
(I.e. WellHead, Storage Tank):	WellHead and/or Distribution	
Type of treatment (reverse osmosis,		
(sedimentation, chemical, aerated, etc,):	Chlorination and Aeration	
LIME	TREATMENT	
<del></del>	TREATMENT	
Unit rating (i.e., GPM, pounds	TREATMENT  Manufacturer:	
Unit rating (i.e., GPM, pounds per gallon): N/A		
Unit rating (i.e., GPM, pounds per gallon): N/A	Manufacturer:	
Unit rating (i.e., GPM, pounds per gallon): N/A	Manufacturer:	

<sup>\*</sup> Limited by High Service

<sup>\*</sup> Emergency Interconnect with Altamonte Springs.

# CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL UNITS

METER SIZE (a)	TYPE OF METER* (b)	EQUIVALENT FACTOR (e)	NUMBER OF METERS (d) **	TOTAL NUMBER OF METER EQUIVALENTS (c x d) (e)
5/8"	Displacement	1.0	296	296
3/4"	Displacement	1.5	0	0
1"	Displacement	2.5	1	3
1 1/2"	Displacement or Turbine	5.0	0	0
2"	Displacement, Compound or Turbine	8.0	0	0
3"	Displacement	15.0	0	0
3"	Compound	16.0	0	0
3"	Turbine	17.5	0	0
4"	Displacement or Compound	25.0	0	0
4"	Turbine	30.0	0	0
6"	Displacement or Compound	50.0	0	0
6"	Turbine	62.5	0	0
8"	Compound	80.0	0	0
8"	Turbine	90.0	0	0
10"	Compound	115.0	0	0
10"	Turbine	145.0	0	0
12"	Turbine	215.0	0	0
	Total Water System Meter Equivalents		297	299

#### CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL CONNECTION

Provide a calculation used to determine the value of one water equivalent residential connection (ERC). Use one of the following methods:

- (a) If actual flow data are available from the preceding 12 months, divide the total annual single family residence (SFR) gallons sold by the average number of single family residence customers for the same period and divide the result by 365 days
- (b) If no historical flow data are available, use:

ERC = ( Total SFR gallons sold (Omit 000) / 365 days / 350 gallons per day )

Calculations: (a)		Average		
	SFR Gallons Sold	Customers	Days	ERC
	26,384,877	265	366	272

#### OTHER WATER SYSTEM INFORMATION

Furnish information below for each system. A separate page should be supplied v	vhere necessary.
Present ERC's * that system can efficiently serve.	265
2. Maximum number of ERCs * which can be served **	529
3. Present system connection capacity (in ERCs *) using existing lines.	305
4. Future connection capacity (in ERCs *) upon service area buildout.	312
5. Estimated annual increase in ERCs *. 2	
6. Is the utility required to have fire flow capacity? Yes	
If so, how much capacity is required? 500 gpm	
ii 30, now maon supacity is required: 200 gpm	
7. Attach a description of the fire fighting facilities. See W-14 Exhibit Q-7	
Describe any plans and estimated completion dates for any enlargements or im Install approximately 2,000 LF of new 4-inch PVC water main and convert existing g	•
liquid (sodium hypochlorite) feed system at existing WTP.	
Projects scheduled to be completed by the end of 2001.	
9. When did the company last file a capacity analysis report with the DEP?	N/A
10. If the present system does not meet the requirements of the DEP rules:	N/A
a. Attach a description of the plnat upgrade necessary to meet the DEP rules.	
b. Have these plans been approved by DEP?	
c. When will construction begin?	
d. Attach plans for funding the required upgrading.	
e. Is this system under any Consent Order with DEP?	
11. Department of Environmental Protection ID #. 3590699	
12. Water Management District Consumptive Use Permit #	APPL/21170126
a. Is the system in compliance with the requirements of the CUP?	Yes,
b. If not, what are the utility's plans to gain compliance?	It should be noted that
withdrawal quantities are dynamic and may fluctuate beyond permitted quantities d	uring the duration of
the permit. Permits are reviewed peridically to ascertain whether modifications nee	d to be filed with the
water management district.	

<sup>\*</sup> An ERC is determined based on the calculation on W-13

<sup>\*\*</sup> Based on Max day capacity divided by 2 for small systems and 1.5 for large systems or Peak hour capacity divided by 4 for small systems or 3 for large systems. This calculation is not necessarily representative of the maximum ERCs that can be served due to changing peak demands; fire flow requirements; and reliable capacity considerations.

# **PUMPING AND PURCHASED WATER STATISTICS**

			WATER USED	TOTAL WATER	
	WATER	FINISHED	FOR LINE	PUMPED AND	WATER SOLD
	PURCHASED	WATER PUMPED	FLUSHING,	PURCHASED	то
	FOR RESALE	FROM WELLS	FIGHTING	(Omit 000's)	CUSTOMERS
MONTH	(Omit 000's)	(Omit 000's)	FIRES, ETC.	(b) + (c)-(d)]	(Omit 000's)
(a)	(b)	(c)	(d)	(e)	(f)
January	0	43,900	0	43,900	35,430
February	0	41,300	1,000	40,300	41,600
March	0	50,200	2,000	48,200	45,110
April	0	73,300	0	73,300	45,880
May	o	81,000	o	81,000	63,550
June	0	71,300	1,000	70,300	75,790
July	o	49,300	o	49,300	69,360
August	0	68,300	1,000	67,300	49,360
September	o	36,000	0	36,000	66,230
October	o	66,200	0	66,200	35,180
November	o	46,100	0	46,100	64,300
December	0	45,200	0	45,200	43,830
Total for year	0	672,100	5,000	667,100	635,620

If water is purchased	for resale, indicate the following	ng:
Vendor	N/A	
Point of delivery	N/A	
If water is sold to oth N/A	er water utilities for redistribut	ion, list names of such utilities below:

List for each source of supply:	CAPACITY OF WELL gpm	GALLONS PER DAY FROM SOURCE	TYPE OF SOURCE
Well #1	25	36,000	Deep Well
		1	1

UTILITY NAME: FLORIDA WATER SERVICES
SYSTEM NAME / COUNTY: LAKEVIEW VILLAS / CLAY #1054

YEAR OF REPORT
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# WATER TREATMENT PLANT INFORMATION

Provide a separate sheet for each water treatment facility

Capacity of Plant (GPD):	* 36,000 (Pea	ak Hour)
Location of measurement		
(I.e. WellHead, Storage Tank):	WellHead and/or Distribution	n
Type of treatment (reverse osmosis,		
(sedimentation, chemical, aerated, etc,):	Chlorination	
LIME	TREATMENT	
	TREATMENT	
Unit rating (i.e., GPM, pounds	TREATMENT  Manufacturer:	
Unit rating (i.e., GPM, pounds per gallon): N/A		
Unit rating (i.e., GPM, pounds per gallon): N/A	Manufacturer:	
Unit rating (i.e., GPM, pounds per gallon): N/A	Manufacturer:	

<sup>\*</sup> Well

December 31, 2000

# **CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL UNITS**

METER SIZE (a)	TYPE OF METER* (b)	EQUIVALENT FACTOR (e)	NUMBER OF METERS (d) **	TOTAL NUMBER OF METER EQUIVALENTS (c x d) (e)
5/8"	Displacement	1.0	16	16
3/4"	Displacement	1.5	0	0
1"	Displacement	2.5	0	0
1 1/2"	Displacement or Turbine	5.0	0	0
2"	Displacement, Compound or Turbine	8.0	0	0
3"	Displacement	15.0	0	0
3"	Compound	16.0	0	0
3"	Turbine	17.5	0	0
4"	Displacement or Compound	25.0	0	0
4"	Turbine	30.0	0	0
6"	Displacement or Compound	50.0	0	0
6"	Turbine	62.5	0	0
8"	Compound	80.0	0	0
8"	Turbine	90.0	0	0
10"	Compound	115.0	0	0
10"	Turbine	145.0	0	0
12"	Turbine	215.0	0	0
	Total Water System Meter Equivalents		16	16

# CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL CONNECTION

Provide a calculation used to determine the value of one water equivalent residential connection (ERC). Use one of the following methods:

- (a) If actual flow data are available from the preceding 12 months, divide the total annual single family residence (SFR) gallons sold by the average number of single family residence customers for the same period and divide the result by 365 days.
- (b) If no historical flow data are available, use:
  ERC = ( Total SFR gallons sold (Omit 000) / 365 days / 350 gallons per day )

Calculations: (a)		Average		
	SFR Gallons Sold	Customers	Days	ERC
	635,620	13	366	134

#### OTHER WATER SYSTEM INFORMATION

Furnish information	below for each system. A separa	ite page should be supplied w	here necessary.			
1. Present ERC's *	that system can efficiently serve		13			
2. Maximum numb	Maximum number of ERCs * which can be served * *					
3. Present system	connection capacity (in ERCs *) u	sing existing lines.	25			
4. Future connection	on capacity (in ERCs *) upon servi	ce area buildout.	33			
5. Estimated annua	al increase in ERCs *.	1				
6. Is the utility req	uired to have fire flow capacity?	l'es				
	how much capacity is required?					
7. Attach a descrip	tion of the fire fighting facilities.	See W-14 Exhibit Q-7				
8. Describe any pla	ans and estimated completion date	es for any enlargements or imp	provements of this system.			
9. When did the co	ompany last file a capacity analysis	s report with the DEP?	N/A			
10. If the present s	ystem does not meet the requirem	nents of the DEP rules:	N/A			
a. Attach a des	cription of the plnat upgrade nece	ssary to meet the DEP rules.				
b. Have these (	olans been approved by DEP?					
c. When will co	onstruction begin?					
d. Attach plans	for funding the required upgrading	g.				
e. Is this system	m under any Consent Order with [	DEP?				
11. Department of	Environmental Protection ID #	2104350				
12. Water Manage	ment District Consumptive Use Pe	rmit #	N/A			
a. Is the system	in compliance with the requirements	s of the CUP?				
b. If not, what a	e the utility's plans to gain complian	ce?				

<sup>\*</sup> An ERC is determined based on the calculation on W-13

<sup>\*\*</sup> Based on Max day capacity divided by 2 for small systems and 1.5 for large systems or Peak hour capacity divided by 4 for small systems or 3 for large systems. This calculation is not necessarily representative of the maximum ERCs that can be served due to changing peak demands; fire flow requirements; and reliable capacity considerations.

# **PUMPING AND PURCHASED WATER STATISTICS**

	WATER	FINISHED	FOR LINE	PUMPED AND	WATER SOLD
	PURCHASED	WATER PUMPED	FLUSHING,	PURCHASED	то
	FOR RESALE	FROM WELLS	FIGHTING	(Omit 000's)	CUSTOMERS
MONTH	(Omit 000's)	(Omit 000's)	FIRES, ETC.	(b) + (c)-(d)]	(Omit 000's)
(a)	(b)	(c)	(d)	(e)	(f)
January	0	48,932,640	2,749,270	46,183,370	42,099,11!
February	0	48,587,630	5,332,210	43,255,420	43,326,03
March	0	52,334,150	4,524,690	47,809,460	45,734,346
April	0	50,443,910	6,531,630	43,912,280	45,832,048
May	0	52,588,570	7,271,130	45,317,440	46,920,30
June	0	45,302,440	6,327,890	38,974,550	44,031,27
July	0	44,545,460	3,752,810	40,792,650	39,006,02
August	0	45,090,400	18,818	45,071,582	38,006,106
September	0	43,282,150	2,829,221	40,452,929	40,391,946
October	0	48,100,530	4,649,150	43,451,380	38,108,422
November	0	49,227,290	7,417,854	41,809,436	45,019,947
December	0	51,741,740	16,655,524	35,086,216	45,379,123
Total for year	0	580,176,910	68,060,197	512,116,713	513,854,69

If water is purchased f	or resale, indicate the following	
Vendor	N/A	
Point of delivery	N/A	
If water is sold to othe	er water utilities for redistribution	n, list names of such utilities below:
N/A		

	CAPACITY	GALLONS	
	OF WELL	PER DAY	TYPE OF
List for each source of supply:	gpm	FROM SOURCE	SOURCE
See Exhibit #3			

YEAR OF REPORT
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# WATER TREATMENT PLANT INFORMATION

Provide a separate sheet for each water treatment facility

Capacity Of F	Plant (GPD):	*	2,232,000	(Reliable Max Day Capacity)
Location of m	neasurement			
(I.e. WellHead, Storage Tank): WellHead and/or Distribution			tribution	
Type of treat	ment (reverse osmos	sis,		
(sedimentatio	on, chemical, aerated	, etc,):	Chlorination, Aeratio	n, Sedimentation and Filtration
		LIME TREA	ГМЕПТ	
Unit rating (i.	e., GPM, pounds			
-	e., <b>GPM</b> , pounds unit - 1000gpm	#3	Manufacturer:	Infilco/Degremont
-	• • •	#3	Manufacturer:	Infilco/Degremont
Unit rating (i. per gallon):	unit - 1000gpm	#3 FILTRAT		Infilco/Degremont
per gallon):	unit - 1000gpm ii unit 1200gpm			Infilco/Degremont
-	unit - 1000gpm in unit 1200gpm			Infilco/Degremont

<sup>\*</sup> Wells

# **CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL UNITS**

METER SIZE	TYPE OF METER*	EQUIVALENT FACTOR	NUMBER OF METERS	TOTAL NUMBER OF METER EQUIVALENTS (c x d)
(a)	(b)	(c)	(d)	(e)
			**	
5/8"	Displacement	1.0	9,284	9,284
3/4"	Displacement	1.5	1	2
1"	Displacement	2.5	79	198
1 1/2"	Displacement or Turbine	5.0	41	205
2"	Displacement, Compound or Turbine	8.0	70	560
3"	Displacement	15.0	0	0
3"	Compound	16.0	0	0
3"	Turbine	17.5	18	315
4"	Displacement or Compound	25.0	0	0
4"	Turbine	30.0	1	30
6"	Displacement or Compound	50.0	0	0
6"	Turbine	62.5	1	63
8*	Compound	80.0	0	0
8"	Turbine	90.0	0	0
10"	Compound	115.0	0	0
10"	Turbine	145.0	0	0
12"	Turbine	215.0	0	0
Total Water System Meter Equivalents			9,495	10,656

# CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL CONNECTION

Provide a calculation used to determine the value of one water equivalent residential connection (ERC). Use one of the following methods:

- (a) If actual flow data are available from the preceding 12 months, divide the total annual single family residence (SFR) gallons sold by the average number of single family residence customers for the same period and divide the result by 365 days.
- (b) If no historical flow data are available, use: ERC = ( Total SFR gallons sold (Omit 000) / 365 days / 350 gallons per day )

Calculations: (a)		Average		
	SFR Gallons Sold	Customers	Days	ERC
	416,073,462	8,834	366	129

#### OTHER WATER SYSTEM INFORMATION

Furnish information below for each system. A separate	page should be supplied where necessary.					
Present ERC's * that system can efficiently serve.	8,834					
2. Maximum number of ERCs * which can be served *	* 8,672					
3. Present system connection capacity (in ERCs *) usin	ng existing lines. 10,612					
4. Future connection capacity (in ERCs *) upon service	e area buildout. 106,119					
Estimated annual increase in ERCs *	200					
6. Is the utility required to have fire flow capacity? No						
If so, how much capacity is required?						
7. Attach a description of the fire fighting facilities						
Describe any plans and estimated completion dates     Initial plans to eliminate the raw water storage tank and						
are underway at the lime softening plant.						
9. When did the company last file a capacity analysis r	report with the DEP? N/A					
10. If the present system does not meet the requirement	nts of the DEP rules: N/A					
a. Attach a description of the plnat upgrade necess	a. Attach a description of the plnat upgrade necessary to meet the DEP rules.					
b. Have these plans been approved by DEP?	b. Have these plans been approved by DEP?					
c. When will construction begin?						
d. Attach plans for funding the required upgrading.						
e. Is this system under any Consent Order with <u>DE</u>	P?					
11. Department of Environmental Protection ID #.	5360172					
12. Water Management District Consumptive Use Pern	nit #36-00166-W					
a. Is the system in compliance with the requirements o	of the CUP? Yes,					
b. If not, what are the utility's plans to gain compliance	? It should be noted that					
withdrawal quantities are dynamic and may fluctuate by						
the permit. Permits are reviewed peridically to ascertai water management district.	n whether modifications need to be filed with the					
mator management district.						

<sup>\*</sup> An ERC is determined based on the calculation on W-13

<sup>\*\*</sup> Based on Max day capacity divided by 2 for small systems and 1.5 for large systems or Peak hour capacity divided by 4 for small systems or 3 for large systems. This calculation is not necessarily representative of the maximum ERCs that can be served due to changing peak demands; fire flow requirements; and reliable capacity considerations.

LEHIGH 2000 PAGE W-11 EXHIBIT # 3 PAGE # 1 of 1

# List for each source of supply:

WELLS	CAPACITY OF WELL gpm	GALLONS PER DAY FROM SOURCE	Type of source
Well # 01	150	216,000	Sandstone Aquifer Well
Well # 02	150	216,000	Sandstone Aquifer Well
Well # 03	200	288,000	Sandstone Aquifer Well
Well # 04	150	216,000	Sandstone Aquifer Well
Well # 05	150	216,000	Sandstone Aquifer Well
Well # 06	100	144,000	Sandstone Aquifer Well
Well # 07	200	288,000	Sandstone Aquifer Well
Well # 08	250	360,000	Sandstone Aquifer Well
Well # 09	200	288,000	Sandstone Aquifer Well
Well # 10	350	504,000	Sandstone Aquifer Well
Well # 19	200	288,000	Sandstone Aquifer Well
Well # 20	200	288,000	Sandstone Aquifer Well

UTILITY NAME: FLORIDA WATER SERVICES
SYSTEM NAME / COUNTY: LEHIGH / LEE #2901

#### CALCULATION OF THE WASTEWATER SYSTEMS EQUIVALENT RESIDENTIAL UNITS

METER SIZE (a)	TYPE OF METER* (b)	EQUIVALENT FACTOR (c)	NUMBER OF WATER METERS (d)	TOTAL NUMBER OF METER EQUIVALENTS (c x d) (e)	
5/8"	Displacement	1.0	7,433	7,433	
3/4"	Displacement	1.5	0	0	
1"	Displacement	2.5	52	130	
1 1/2"	Displacement or Turbine	5.0	34	170	
2"	Displacement, Compound or Tur	8.0	32	. 256	
3"	Displacement	15.0	0	0	
3"	Compound	16.0	0	0	
3"	Turbine	17.5	8	140	
4"	Displacement or Compound	25.0	0	0	
4"	Turbine	30	1	30	
6"	Displacement or Compound	50.0	0	0	
6"	Turbine	62.5	11	63	
8"	Compound	80.0	0	0	
8"	Turbine	90.0	1	90	
10"	Compound	115.0	0	0	
10"	Turbine	145.0	0	0	
12"	Turbine	215.0	0	0	
	Total Wastewater System Meter Equivalents				

# CALCULATION OF THE WASTEWATER SYSTEMS EQUIVALENT RESIDENTIAL CONNECTIONS

Provide a calculation used to determine the value of one water equivalent residential connection (ERC Use one of the following methods:

- (a) If actual flow data are available from the preceding 12 months, divide the total annual single fa residence (SFR) gallons sold by the average number of single family residence customers for the sa period and divide the results by 365 days.
- (b) If no historical flow data are available, use:

ERC = ( Total SFR gallons treated (Omit 000) / 365 days / 275 gallons per day )

For wastewater only utilities:

Subtract all general use and other non residential customer gallons from the total gallons treated. Divide the remainder (SFR customers) by 365 days to reveal single family residence customer gallons per day.

**NOTE:** Total gallons treated includes both treated and purchased treatment.

Calculations:		Average		
	SFR Gallons Sold	Customers	Days	ERC
	260,816,125	7,077	366	101

UTILITY NAME: FLORIDA WATER SERVICES
SYSTEM NAME / COUNTY: LEHIGH / LEE #2901

YEAR OF REPORT December 31, 2000

#### TREATMENT PLANT

Provide a separate sheet for each wastewater treatment facility

Trovide a sepai	T Control Cach Wa	I	1
Permitted Capacity (gpd)	2,480,000		
Basis of Permit Capacity (1)	AADF		
Manufacturer	Clow	Davco	
Type (2)	Contact Stabilization	n w/tertiary filtration	
Hydraulic Capacity (gpd)	2,480,000		
Average Daily Flow (mgd)	2.540	(Average of Max Month)	
Effluent Disposal (gpd)	2,100,000		
Total Gallons of WW Treated (mg)	533.987		
Method of Effluent Disposal	Percolation Ponds,	Golf Course	

- (1) Basis of permitted capacity as stated on the Florida DEP WWTP Operating Permit (i.e. average annual daily flow, etc.)
- (2) Contact stabilization, advanced treatment, etc.

UTILITY NAME: FLORIDA WATER SERVICES
SYSTEM NAME / COUNTY: LEHIGH / LEE #2901

YEAR OF REPORT December 31, 2000

# OTHER WASTEWATER SYSTEM INFORMATION

Furnish information below for each system. A so	eparate page should be supplied where necessary.
1. Present number of ERC's * now being served.	7,077
2. Maximum number of ERC's * which can be served.	20,792 **
** Note: SFR gallons sold is not representative of total www flow at plant  3. Present system connection capacity (in ERCs*) using	
4. Future connection capacity (in ERCs*) upon service a	rea buildout.** 108,988
5. Estimated annual increase in ERCs* 248	
6. Describe any plans and estimate completion dates for Present Zenon treatment portion of plant at 0.48 to 1.0 MGD in the future for a total plant capacit	MGD out of total 2.48 MGD plant capacity will
<ul> <li>7. If the utility uses reuse as a means of effluent dispose of reuse provided to each, if known. See Exhib</li> <li>8. If the utility does not engage in reuse, has a reuse fee</li> </ul>	oit Q-7
If so, when?	
9. Has the utility been required by DEP or water manage	ement district to implement reuse? No
If so, what are the utility's plans to comply	with this requireme
10. When did the company last file a capacity analysis r	eport with the DEP? January-97
<ul> <li>11. If the present system does not meet the requirement</li> <li>a. Attach a description of the plant upgrade</li> <li>b. Have these plans been approved by DEP</li> <li>c. When will construction begin?</li> <li>d. Attach plans for funding the required upge</li> <li>e. Is this system under any Consent Order</li> </ul>	grading.
12. Department of Environmental Protection ID #	FLA014565-0901-DWIP

- \* An ERC is determined based on the calculation on S-11
- \*\* Based on meter equivalency factors for ERCs

S-13 22901 SYSTEM 1

# **PUMPING AND PURCHASED WATER STATISTICS**

	WATER	FINISHED	FOR LINE	PUMPED AND	WATER SOLD
	PURCHASED	WATER PUMPED	FLUSHING,	PURCHASED	то
	FOR RESALE	FROM WELLS	FIGHTING	(Omit 000's)	CUSTOMERS
MONTH	(Omit 000's)	(Omit 000's)	FIRES, ETC.	(b) + (c)-(d)]	(Omit 000's)
(a)	(b)	(c)	(d)	(e)	(f)
January	0	3,536,100	10,240	3,525,860	3,009,67
February	0	3,146,800	26,270	3,120,530	3,057,94
March	0	3,560,700	39,740	3,520,960	3,075,71
April	0	3,804,900	40,670	3,764,230	3,201,69
May	0	5,032,600	55,870	4,976,730	3,849,72
June	o	4,031,900	1,940	4,029,960	4,806,88
July	o	3,183,700	3,260	3,180,440	3,748,34
August	o	3,816,000	3,380	3,812,620	3,012,00
September	0	3,367,800	3,350	3,364,450	3,600,58
October	0	3,536,000	1,770	3,534,230	3,596,78
November	0	3,536,100	1,090	3,535,010	3,094,69
December	0	3,475,900	1,020	3,474,880	3,554,50
Total for year	o	44,028,500	188,600	43,839,900	41,608,53

If water is purchased for r	esale, indicate the fol	lowing:
Vendor	N/A	
Point of delivery	N/A	
If water is sold to other w	ater utilities for redist	ribution, list names of such utilities below:
N/A		

TYPE OF SOURCE
COLIDCE
SOUNCE
p Well
p Well
***
7

UTILITY NAME: FLORIDA WATER SERVICES

SYSTEM NAME / COUNTY: LEILANI HEIGHTS / MARTIN #675

YEAR OF REPORT
December 31, 2000

# WATER TREATMENT PLANT INFORMATION

Provide a separate sheet for each water treatment facility

Capacity of Plant (GPD):	* 144,000	(Reliable Peak Hour)
Location of measurement		
(I.e. WellHead, Storage Tank):	WellHead and/or	Distribution
Type of treatment (reverse osmosis,		
(sedimentation, chemical, aerated, etc,):	Chlorination	
LIME	E TREATMENT	
	- INDATIONEI	
Unit rating (i.e., GPM, pounds	Manufacturer Manufacturer	:
Unit rating (i.e., GPM, pounds per gallon): N/A		:
Unit rating (i.e., GPM, pounds per gallon):  N/A	Manufacturer	:
Unit rating (i.e., GPM, pounds per gallon): N/A	Manufacturer	

<sup>\*</sup> Wells

#### CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL UNITS

METER SIZE	TYPE OF METER*	EQUIVALENT FACTOR	NUMBER OF METERS	TOTAL NUMBER OF METER EQUIVALENTS (c x d)
(a)	(b)	(c)	(d) **	(e)
5/8"	Displacement	1.0	395	395
3/4"	Displacement	1.5	0	0
1"	Displacement	2.5	0	0
1 1/2"	Displacement or Turbine	5.0	0	0
2"	Displacement, Compound or Turbine	8.0	0	0
3"	Displacement	15.0	0	0
3"	Compound	16.0	0	0
3"	Turbine	17.5	0	0
4"	Displacement or Compound	25.0	0	0
4"	Turbine	30.0	0	0
6"	Displacement or Compound	50.0	0	0
6"	Turbine	62.5	0	0
8"	Compound	80.0	0	0
8"	Turbine	90.0	0	0
10"	Compound	115.0	0	0
10"	Turbine	145.0	0	0
12"	Turbine	215.0	0	0
	Total Water System Meter Equivalents		395	395

# CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL CONNECTION

Provide a calculation used to determine the value of one water equivalent residential connection (ERC). Use one of the following methods:

- (a) If actual flow data are available from the preceding 12 months, divide the total annual single family residence (SFR) gallons sold by the average number of single family residence customers for the same period and divide the result by 365 days.
- (b) If no historical flow data are available, use: ERC = ( Total SFR gallons sold (Omit 000) / 365 days / 350 gallons per day )

Calculations: (a)		Average		
	SFR Gallons Sold	Customers	Days	ERC
	41,491,485	394	366	288

#### OTHER WATER SYSTEM INFORMATION

Fui	rnish information below for each system. A separate page should be supplied wh	ere necessary.
1.	Present ERC's * that system can efficiently serve.	394
2.	Maximum number of ERCs * which can be served **	125
3.	Present system connection capacity (in ERCs *) using existing lines.	400
4.	Future connection capacity (in ERCs *) upon service area buildout.	408
5.	Estimated annual increase in ERCs *. 1	
6.	Is the utility required to have fire flow capacity? Yes	
	If so, how much capacity is required? 2000 gpm	
7.	Attach a description of the fire fighting facilities. See W-14 Exhibit Q-7	
8.	Describe any plans and estimated completion dates for any enlargements or imp Conversion from gaseous to a liguid chlorination system is under consideration this y	
	conversion would probably necessitate an increase in hydropneumatic tank capa	city in order to
	meet disinfection detention time requirements	
9.	When did the company last file a capacity analysis report with the DEP?	N/A
10.	If the present system does not meet the requirements of the DEP rules:	N/A
	a. Attach a description of the plnat upgrade necessary to meet the DEP rules.	
	b. Have these plans been approved by DEP?	
	c. When will construction begin?	
	d. Attach plans for funding the required upgrading.	
	e. Is this system under any Consent Order with DEP?	
11	. Department of Environmental Protection ID #. 4430790	
12	. Water Management District Consumptive Use Permit #	43-00070-W
	a. Is the system in compliance with the requirements of the CUP?	Yes,
	b. If not, what are the utility's plans to gain compliance?	It should be noted that
	withdrawal quantities are dynamic and may fluctuate beyond permitted quantities du	ring the duration of
	the permit. Permits are reviewed peridically to ascertain whether modifications need	to be filed with the
	water management district.	
i		

<sup>\*</sup> An ERC is determined based on the calculation on W-13

<sup>\*\*</sup> Based on Max day capacity divided by 2 for small systems and 1.5 for large systems or Peak hour capacity divided by 4 for small systems or 3 for large systems. This calculation is not necessarily representative of the maximum ERCs that can be served due to changing peak demands; fire flow requirements; and reliable capacity considerations.

UTILITY NAME: FLORIDA WATER SERVICES
SYSTEM NAME / COUNTY: LEILANI HEIGHTS / MARTIN #675

#### CALCULATION OF THE WASTEWATER SYSTEMS EQUIVALENT RESIDENTIAL UNITS

			NUMBER	TOTAL NUMBER OF METER
METER	TYPE OF	<b>EQUIVALENT</b>	OF WATER	EQUIVALENTS
SIZE	METER*	FACTOR	METERS	(c x d)
(a)	(b)	(c)	(d)	(e)
5/8"	Displacement	1.0	391	391
3/4"	Displacement	1.5	0	0
1"	Displacement	2.5	0	0
1 1/2"	Displacement or Turbine	5.0	0	0
2"	Displacement, Compound or Tur	8.0	1	. 8
3"	Displacement	15.0	0	0
3"	Compound	16.0	0	0
3"	Turbine	17.5	0	0
4"	Displacement or Compound	25.0	0	0
4"	Turbine	30	0	0
6"	Displacement or Compound	50.0	0	0
6"	Turbine	62.5	0	0
8"	Compound	80.0	0	0
8"	Turbine	90.0	0	0
10"	Compound	115.0	0	0
10"	Turbine	145.0	0	0
12"	Turbine	215.0	0	0
	Total Wastewater System Meter E	quivalents		399

# CALCULATION OF THE WASTEWATER SYSTEMS EQUIVALENT RESIDENTIAL CONNECTIONS

Provide a calculation used to determine the value of one water equivalent residential connection (ERC Use one of the following methods:

- (a) If actual flow data are available from the preceding 12 months, divide the total annual single fa residence (SFR) gallons sold by the average number of single family residence customers for the sa period and divide the results by 365 days.
- (b) If no historical flow data are available, use:

ERC = ( Total SFR gallons treated (Omit 000) / 365 days / 275 gallons per day )

For wastewater only utilities:

Subtract all general use and other non residential customer gallons from the total gallons treated. Divide the remainder (SFR customers) by 365 days to reveal single family residence customer gallons per day.

NOTE: Total gallons treated includes both treated and purchased treatment.

ERC	Days		
	24,0	SFR Gallons Sold	
156	366	22,288,857	
		,	
	366	22,288,857	

**UTILITY NAME: FLORIDA WATER SERVICES** 

SYSTEM NAME / COUNTY: LEILANI HEIGHTS / MARTIN #675

YEAR OF REPORT December 31, 2000

TO ASPECT OF THE

#### TREATMENT PLANT

Provide a separate sheet for each wastewater treatment facility

Trovido a dopar	1	Stoward troutment ruemty	
Permitted Capacity (gpd)	150,000		
Basis of Permit Capacity (1)	AADF		
Manufacturer	Defiance		
Type (2)	Contact Stabilizatio	n	
Hydraulic Capacity (gpd)	150,000		
Average Daily Flow (mgd)	0.090	(Average of Max Month)	
Effluent Disposal (gpd)	150,000		
Total Gallons of WW Treated (mg)	29.486		
Method of Effluent Disposal	Percolation Ponds		

- (1) Basis of permitted capacity as stated on the Florida DEP WWTP Operating Permit (i.e. average annual daily flow, etc.)
- (2) Contact stabilization, advanced treatment, etc.

UTILITY NAME: FLORIDA WATER SERVICES
SYSTEM NAME / COUNTY: LEILANI HEIGHTS / MARTIN #675

YEAR OF REPORT December 31, 2000

# OTHER WASTEWATER SYSTEM INFORMATION

Furnish information below for each system. A separate page should be su	upplied where necessary.
1. Present number of ERC's * now being served. 390	
2. Maximum number of ERC's * which can be served 866 **  ** Note: SFR gallons sold is not representative of total www flow at plant.	
3. Present system connection capacity (in ERCs*) using existing lines. 386	
4. Future connection capacity (in ERCs*) upon service area buildout.** 408	-
5. Estimated annual increase in ERCs* 2	
Describe any plans and estimate completion dates for any enlargements or improvement  None	vements of this system.
<ul> <li>7. If the utility uses reuse as a means of effluent disposal, attach a list of the reuse of reuse provided to each, if known. N/A</li> <li>8. If the utility does not engage in reuse, has a reuse feasibility study been complete.</li> </ul>	
If so, when?	Management 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
9. Has the utility been required by DEP or water management district to implement r	reuse? No
If so, what are the utility's plans to comply with this requireme	
10. When did the company last file a capacity analysis report with the DEP?	June-96
a. Attach a description of the plant upgrade necessary to meet the E b. Have these plans been approved by DEP c. When will construction begin?  d. Attach plans for funding the required upgrading.  e. Is this system under any Consent Order with DEP	
12. Department of Environmental Protection ID # FLA013866	

- \* An ERC is determined based on the calculation on S-11
- \*\* Based on meter equivalency factors for ERCs

S-13 20675 SYSTEM 1