

**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. (d)	TOTAL WATER PUMPED AND PURCHASED (Omit 000's) (b)+(c)-(d)] (e)	WATER SOLD TO CUSTOMERS (Omit 000's) (f)
January	0	21,264	1,483	19,781	17,251
February	0	19,937	580	19,357	17,152
March	0	20,466	594	19,873	17,815
April	0	25,300	651	24,650	19,720
May	0	27,509	534	26,975	23,348
June	0	23,811	2,641	21,170	24,309
July	0	22,978	5,075	17,903	19,316
August	0	25,285	3,484	21,801	17,761
September	0	22,574	4,570	18,004	20,961
October	0	25,301	3,795	21,505	17,563
November	0	23,137	3,728	19,409	19,983
December	0	23,954	3,110	20,844	18,894
Total for year	0	281,517	30,244	251,273	234,073

If water is purchased for resale, indicate the following:  
 Vendor N/A  
 Point of delivery N/A

If water is sold to other water utilities for redistribution, 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 #4	700	1,008,000	Deep Well
Well #5	500	720,000	Deep Well
Well #6	1,000	1,440,000	Deep Well

### WATER TREATMENT PLANT INFORMATION

Provide a separate sheet for each water treatment facility

Capacity of Plant (GPD):	* 2,448,000	(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		
Unit rating (i.e., GPM, pounds per gallon):	N/A	Manufacturer:
FILTRATION		
Type and size of area:		
Pressure (in square feet):	N/A	Manufacturer:
Gravity (in GPM/square feet):	N/A	Manufacturer:

\* 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	3,307	3,307
3/4"	Displacement	1.5	3	5
1"	Displacement	2.5	17	43
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
<b>Total Residential Water System Meter Equivalents</b>			<b>3,327</b>	<b>3,354</b>

**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:  

$$ERC = ( \text{Total SFR gallons sold (Omit 000)} / 365 \text{ days} / 350 \text{ gallons per day} )$$

Calculations: (a)	Average			
SFR Gallons Sold	Customers	Days	ERC	
210,887,432	3,135	365	184	

**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	72	72
3/4"	Displacement	1.5	1	2
1"	Displacement	2.5	7	18
1 1/2"	Displacement or Turbine	5.0	6	30
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	2	35
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
<b>Total Commercial Water System Meter Equivalents</b>			105	292



**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.	3,135
2. Maximum number of ERCs * which can be served **	3,321
3. Present system connection capacity (in ERCs *) using existing lines.	6,342
4. Future connection capacity (in ERCs *) upon service area buildout.	24,076
5. Estimated annual increase in ERCs *.	90
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 O-7
8. Describe any plans and estimated completion dates for any enlargements or improvements of this system. Projects completed 2002: Install well #3A to provide water for Timberwalk development.	
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 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?	
11. Department of Environmental Protection ID #.	6421144
12. Water Management District Consumptive Use Permit #	20002841.008
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 periodically 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.

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	1,396	1,396
3/4"	Displacement	1.5	0	0
1"	Displacement	2.5	12	30
1 1/2"	Displacement or Turbine	5.0	0	0
2"	Displacement, Compound or Turb	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
<b>Total Residential Wastewater System Meter Equivalents</b>				<b>1,426</b>

**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 family residence (SFR) gallons sold by the average number of single family residence customers for the same period and divide the results by 365 days.

(b) If no historical flow data are available, use:

$$ERC = ( \text{Total SFR gallons treated (Omit 000)} / 365 \text{ days} / 275 \text{ gallons per day} )$$

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:	SFR Gallons Sold	Average Customers	Days	ERC
	49,587,695	1,312	365	104

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	17	17
3/4"	Displacement	1.5	1	2
1"	Displacement	2.5	0	0
1 1/2"	Displacement or Turbine	5.0	3	15
2"	Displacement, Compound or Turb	8.0	4	32
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	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
<b>Total Commercial Wastewater System Meter Equivalents</b>				<b>146</b>

**TREATMENT PLANT**

Provide a separate sheet for each wastewater treatment facility

Permitted Capacity (gpd)	225,000		
Basis of Permit Capacity (1)	M3MADF		
Manufacturer	CROM		
Type (2)	Type II Extended Aeration		
Hydraulic Capacity (gpd)	225,000		
Average Daily Flow (mgd)	0.155	(Average of Max Month)	
Effluent Disposal (gpd)	225,000		
Total Gallons of WW Treated (mg)	42,593		
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.

### 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. 1,312
2. Maximum number of ERC's \* which can be served. 2,003 \*\*  
\*\* Note: SFR gallons sold is not representative of total ww flow at plant
3. Present system connection capacity (in ERCs\*) using existing lines. 1,870
4. Future connection capacity (in ERCs\*) upon service area buildout.\*\* 23,376
5. Estimated annual increase in ERCs\* 0
6. Describe any plans and estimate completion dates for any enlargements or improvements of this system.  
None
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
8. If the utility does not engage in reuse, has a reuse feasibility study been completed? No  
  
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 requirement?
10. When did the company last file a capacity analysis report with the DEP? August-00
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 # FLA012669

\* An ERC is determined based on the calculation on S-11

\*\* Based on meter equivalency factors for ERCs



**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. (d)	TOTAL WATER PUMPED AND PURCHASED (Omit 000's) (b)+(c)-(d)] (e)	WATER SOLD TO CUSTOMERS (Omit 000's) (f)
January	0	9,431	439	8,992	6,080
February	0	8,156	588	7,568	5,773
March	0	8,913	477	8,436	6,214
April	0	9,727	459	9,268	5,474
May	0	10,568	449	10,119	6,955
June	0	8,865	375	8,490	7,510
July	0	6,818	212	6,605	5,641
August	0	9,085	258	8,827	5,330
September	0	6,709	239	6,470	5,606
October	0	8,948	239	8,709	5,300
November	0	8,641	236	8,405	6,051
December	0	9,262	186	9,075	5,874
Total for year	0	105,122	4,159	100,964	71,809

If water is purchased for resale, indicate the following:  
 Vendor City of Altamonte Springs  
 Point of delivery N/A

If water is sold to other water utilities for redistribution, 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	1,080	1,555,200	Deep Well
Well # 2	300	432,000	Deep Well

**WATER TREATMENT PLANT INFORMATION**  
Provide a separate sheet for each water treatment facility

Capacity of Plant (GPD):	* 504,000	(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	
<b>LIME TREATMENT</b>		
Unit rating (i.e., GPM, pounds per gallon):	N/A	Manufacturer:
<b>FILTRATION</b>		
Type and size of area:		
Pressure (in square feet):	N/A	Manufacturer:
Gravity (in GPM/square feet):	N/A	Manufacturer:

\* High Service  
\* Interconnected with Sanlando.



**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	612	612
3/4"	Displacement	1.5	0	0
1"	Displacement	2.5	8	20
1 1/2"	Displacement or Turbine	5.0	2	10
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
<b>Total Residential Water System Meter Equivalents</b>			623	650

**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:  

$$ERC = ( \text{Total SFR gallons sold (Omit 000)} / 365 \text{ days} / 350 \text{ gallons per day} )$$

<b>Calculations: (a)</b>	<b>Average</b>			
<b>SFR Gallons Sold</b>	<b>Customers</b>	<b>Days</b>	<b>ERC</b>	
58,889,621	575	365	281	

**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	42	42
3/4"	Displacement	1.5	0	0
1"	Displacement	2.5	10	25
1 1/2"	Displacement or Turbine	5.0	9	45
2"	Displacement, Compound or Turbine	8.0	5	40
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 Commercial Water System Meter Equivalents			66	152

**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.	575
2. Maximum number of ERCs * which can be served **	N/A - Interconnected
3. Present system connection capacity (in ERCs *) using existing lines.	593
4. Future connection capacity (in ERCs *) upon service area buildout.	624
5. Estimated annual increase in ERCs *.	6
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
8. Describe any plans and estimated completion dates for any enlargements or improvements of this system. Projects completed 2002: Interconnect with City of Altamonte Springs, replace roof on ground storage tank, distribution system improvements.	
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 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?	
11. Department of Environmental Protection ID #.	3590823
12. Water Management District Consumptive Use Permit #	APPL/8359
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 periodically 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.

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	0	0
1"	Displacement	2.5	1	3
1 1/2"	Displacement or Turbine	5.0	0	0
2"	Displacement, Compound or Turb	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
<b>Total Residential Wastewater System Meter Equivalents</b>				<b>27</b>

**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 family residence (SFR) gallons sold by the average number of single family residence customers for the same period and divide the results by 365 days.

(b) If no historical flow data are available, use:

$$ERC = ( \text{Total SFR gallons treated (Omit 000)} / 365 \text{ days} / 275 \text{ gallons per day} )$$

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:	SFR Gallons Sold	Average Customers	Days	ERC
	1,600,750	25	365	175

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	1
3/4"	Displacement	1.5	0	0
1"	Displacement	2.5	2	5
1 1/2"	Displacement or Turbine	5.0	0	0
2"	Displacement, Compound or Turb	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
<b>Total Commercial Wastewater System Meter Equivalents</b>				<b>14</b>

**TREATMENT PLANT**

Provide a separate sheet for each wastewater treatment facility

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.

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.	25	Interconnect
2. Maximum number of ERC's * which can be served.	N/A	**
** Note: SFR gallons sold is not representative of total ww flow at plant.		
3. Present system connection capacity (in ERCs*) using existing lines.	25	
4. Future connection capacity (in ERCs*) upon service area buildout.**	30	
5. Estimated annual increase in ERCs*	0	
6. Describe any plans and estimate completion dates for any enlargements or improvements of this system.	None	
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	
8. If the utility does not engage in reuse, has a reuse feasibility study been completed?	No	
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 requirement?		
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	
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 #	Interconnected	

\* An ERC is determined based on the calculation on S-11

\*\* Based on meter equivalency factors for ERCs







### WATER TREATMENT PLANT INFORMATION

Provide a separate sheet for each water treatment facility

Capacity of Plant (GPD):	* 612,000	(Peak Hour)
Location of measurement (i.e. WellHead, Storage Tank):	WellHead and/or Distribution	
Type of treatment (reverse osmosis, sedimentation, chemical, aerated, etc.):	Chlorination	
<b>LIME TREATMENT</b>		
Unit rating (i.e., GPM, pounds per gallon):	N/A	Manufacturer:
<b>FILTRATION</b>		
Type and size of area:		
Pressure (in square feet):	N/A	Manufacturer:
Gravity (in GPM/square feet):	N/A	Manufacturer:

\* 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	32	32
3/4"	Displacement	1.5	0	0
1"	Displacement	2.5	5	13
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
<b>Total Residential Water System Meter Equivalents</b>			37	45

**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:  

$$ERC = ( \text{Total SFR gallons sold (Omit 000)} / 365 \text{ days} / 350 \text{ gallons per day} )$$

<b>Calculations: (a)</b>	<b>Average</b>		
<b>SFR Gallons Sold</b>	<b>Customers</b>	<b>Days</b>	<b>ERC</b>
3,237,081	34	365	261

**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	0	0
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 Commercial Water System Meter Equivalents			0	0

**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.	34
2. Maximum number of ERCs * which can be served **	587
3. Present system connection capacity (in ERCs *) using existing lines	39
4. Future connection capacity (in ERCs *) upon service area buildout.	39
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 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 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?	
11. Department of Environmental Protection ID #.	3350852
12. Water Management District Consumptive Use Permit #	2610
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 periodically 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.

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	31	31
3/4"	Displacement	1.5	0	0
1"	Displacement	2.5	5	13
1 1/2"	Displacement or Turbine	5.0	0	0
2"	Displacement, Compound or Turb	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
<b>Total Residential Wastewater System Meter Equivalents</b>				44

**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 family residence (SFR) gallons sold by the average number of single family residence customers for the same period and divide the results by 365 days.
- (b) If no historical flow data are available, use:

$$ERC = ( \text{Total SFR gallons treated (Omit 000)} / 365 \text{ days} / 275 \text{ gallons per day} )$$

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:	SFR Gallons Sold	Average Customers	Days	ERC
	1,720,520	33	365	143

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	0	0
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 Turb	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
<b>Total Commercial Wastewater System Meter Equivalents</b>				0

**TREATMENT PLANT**

Provide a separate sheet for each wastewater treatment facility

Permitted Capacity (gpd)	20,000		
Basis of Permit Capacity (1)	AADF		
Manufacturer	Defiance		
Type (2)	Extended Aeration		
Hydraulic Capacity (gpd)	20,000		
Average Daily Flow (mgd)	0.010	(Average of Max Month)	
Effluent Disposal (gpd)	20,000		
Total Gallons of WW Treated (mg)	2.379		
Method of Effluent Disposal	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.



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.	33
2. Maximum number of ERC's * which can be served.	140 **
** Note: SFR gallons sold is not representative of total ww flow at plant	
3. Present system connection capacity (in ERCs*) using existing lines.	33
4. Future connection capacity (in ERCs*) upon service area buildout **	39
5. Estimated annual increase in ERCs*	0
6. Describe any plans and estimate completion dates for any enlargements or improvements of this system.	None
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
8. If the utility does not engage in reuse, has a reuse feasibility study been completed?	No
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 requirement?	
10. When did the company last file a capacity analysis report with the DEP?	March-01
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 #	FLA010610

\* An ERC is determined based on the calculation on S-11

\*\* Based on meter equivalency factors for ERCs



**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. (d)	TOTAL WATER PUMPED AND PURCHASED (Omit 000's) (b)+(c)-(d)] (e)	WATER SOLD TO CUSTOMERS (Omit 000's) (f)
January	613	0	0	613	812
February	602	0	0	602	733
March	502	0	0	502	806
April	479	0	0	479	881
May	762	0	0	762	801
June	1,977	0	0	1,977	958
July	2,361	0	0	2,361	825
August	2,180	0	0	2,180	864
September	2,069	0	0	2,069	672
October	2,303	0	0	2,303	807
November	2,312	0	0	2,312	783
December	2,309	0	0	2,309	641
Total for year	18,469	0	0	18,469	9,585

If water is purchased for resale, indicate the following:

Vendor                                      Brevard County Utilities  
 Point of delivery                        4" Compound meter @ entrance to Oakwood subdivision

If water is sold to other water utilities for redistribution, 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
Interconnected with Brevard County Utilities			

### 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 TREATMENT		
Unit rating (i.e., GPM, pounds per gallon):	N/A	Manufacturer:
FILTRATION		
Type and size of area:		
Pressure (in square feet):	N/A	Manufacturer:
Gravity (in GPM/square feet):	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	272	272
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
<b>Total Residential Water System Meter Equivalents</b>			273	275

**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.

$$ERC = ( \text{Total SFR gallons sold (Omit 000)} / 365 \text{ days} / 350 \text{ gallons per day} )$$

<b>Calculations: (a)</b>	<b>Average</b>			
<b>SFR Gallons Sold</b>	<b>Customers</b>	<b>Days</b>	<b>ERC</b>	
9,584,508	206	365	127	

**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	0	0
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 Commercial Water System Meter Equivalents			0	0

**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.	206
2. Maximum number of ERCs * which can be served **	N/A
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 *.	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.	N/A
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 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?	
11. Department of Environmental Protection ID #.	3054100
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?	

\* 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: ORANGE HILL #214 / SUGAR CREEK #212 /  
POLK

YEAR OF REPORT  
December 31, 2001

### WATER TREATMENT PLANT INFORMATION

Provide a separate sheet for each water treatment facility

Capacity of Plant (GPD):	* 80,640	(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 per gallon):	N/A	Manufacturer:
FILTRATION		
Type and size of area:		
Pressure (in square feet):	N/A	Manufacturer:
Gravity (in GPM/square feet):	N/A	Manufacturer:

\* 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	178	178
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
<b>Total Residential Water System Meter Equivalents</b>			178	178

**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:

$$ERC = ( \text{Total SFR gallons sold (Omit 000)} / 365 \text{ days} / 350 \text{ gallons per day} )$$

Calculations: (a)	Average		
SFR Gallons Sold	Customers	Days	ERC
15,049,520	169	365	244

**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	0	0
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
<b>Total Commercial Water System Meter Equivalents</b>			0	0

**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.	169
2. Maximum number of ERCs * which can be served **	83
3. Present system connection capacity (in ERCs *) using existing lines.	388
4. Future connection capacity (in ERCs *) upon service area buildout.	518
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.	N/A
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 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?	
11. Department of Environmental Protection ID #.	6531734
12. Water Management District Consumptive Use Permit #	207653
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 periodically 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.





### WATER TREATMENT PLANT INFORMATION

Provide a separate sheet for each water treatment facility

Capacity of Plant (GPD):	* 1,152,000	(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	
<b>LIME TREATMENT</b>		
Unit rating (i.e., GPM, pounds per gallon):	N/A	Manufacturer:
<b>FILTRATION</b>		
Type and size of area:		
Pressure (in square feet):	N/A	Manufacturer:
Gravity (in GPM/square feet):	N/A	Manufacturer:

\* 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	279	279
3/4"	Displacement	1.5	3	5
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
<b>Total Residential Water System Meter Equivalents</b>			282	284

**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:  
 $ERC = ( \text{Total SFR gallons sold (Omit 000)} / 365 \text{ days} / 350 \text{ gallons per day} )$

Calculations: (a)	Average Customers	Days	ERC
SFR Gallons Sold 68,081,350	260	365	717

**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	1
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	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	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 Commercial Water System Meter Equivalents			11	78

**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.	260
2. Maximum number of ERCs * which can be served **	401
3. Present system connection capacity (in ERCs *) using existing lines.	273
4. Future connection capacity (in ERCs *) upon service area buildout.	683
5. Estimated annual increase in ERCs *.	23
6. Is the utility required to have fire flow capacity? Yes If so, how much capacity is required? 750 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 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 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?	
11. Department of Environmental Protection ID #.	3354877
12. Water Management District Consumptive Use Permit #	2913
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 periodically 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.



**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. (d)	TOTAL WATER PUMPED AND PURCHASED (Omit 000's) (b)+(c)-(d)] (e)	WATER SOLD TO CUSTOMERS (Omit 000's) (f)
January	0	467	2	465	367
February	0	411	3	407	392
March	0	486	0	486	411
April	0	495	6	489	425
May	0	475	4	471	468
June	0	412	14	398	421
July	0	469	32	437	377
August	0	453	4	449	402
September	0	392	4	388	377
October	0	456	5	451	363
November	0	405	21	384	398
December	0	423	16	407	371
Total for year	0	5,343	109	5,234	4,771

If water is purchased for resale, indicate the following:

Vendor N/A  
 Point of delivery N/A

If water is sold to other water utilities for redistribution, 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

### WATER TREATMENT PLANT INFORMATION

Provide a separate sheet for each water treatment facility

Capacity of Plant (GPD):	* 86,400	(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	
<b>LIME TREATMENT</b>		
Unit rating (i.e., GPM, pounds per gallon):	N/A	Manufacturer:
<b>FILTRATION</b>		
Type and size of area:		
Pressure (in square feet):	N/A	Manufacturer:
Gravity (in GPM/square feet):	N/A	Manufacturer:

\* 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	104	104
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
<b>Total Residential Water System Meter Equivalents</b>			104	104

**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:  

$$ERC = ( \text{Total SFR gallons sold (Omit 000)} / 365 \text{ days} / 350 \text{ gallons per day} )$$

<b>Calculations: (a)</b>	<b>Average</b>		
<b>SFR Gallons Sold</b>	<b>Customers</b>	<b>Days</b>	<b>ERC</b>
4,771,020	104	365	126

**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	0	0
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 Commercial Water System Meter Equivalents			0	0



**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.	104
2. Maximum number of ERCs * which can be served **	172
3. Present system connection capacity (in ERCs *) using existing lines.	137
4. Future connection capacity (in ERCs *) upon service area buildout.	137
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?	
7. Attach a description of the fire fighting facilities.	N/A
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 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?	
11. Department of Environmental Protection ID #.	2540865
12. Water Management District Consumptive Use Permit #	8127
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 periodically 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.

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	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	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
<b>Total Residential Wastewater System Meter Equivalents</b>				<b>106</b>

**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 family residence (SFR) gallons sold by the average number of single family residence customers for the same period and divide the results by 365 days.
- (b) If no historical flow data are available, use:

$$ERC = ( \text{Total SFR gallons treated (Omit 000)} / 365 \text{ days} / 275 \text{ gallons per day} )$$

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:	SFR Gallons Sold	Average Customers	Days	ERC
	4,315,991	104	365	114

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	0	0
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 Turb	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
<b>Total Commercial Wastewater System Meter Equivalents</b>				<b>0</b>

**TREATMENT PLANT**

Provide a separate sheet for each wastewater treatment facility

Permitted Capacity (gpd)	30,000		
Basis of Permit Capacity (1)	AADF		
Manufacturer	DEFIANCE		
Type (2)	Extended Aeration		
Hydraulic Capacity (gpd)	30,000		
Average Daily Flow (mgd)	0.014	(Average of Max Month)	
Effluent Disposal (gpd)	30,000		
Total Gallons of WW Treated (mg)	3.751		
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.

**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.	104	
2. Maximum number of ERC's * which can be served.	263	**
** Note: SFR gallons sold is not representative of total ww flow at plant.		
3. Present system connection capacity (in ERCs*) using existing lines.	104	
4. Future connection capacity (in ERCs*) upon service area buildout.**	134	
5. Estimated annual increase in ERCs*	3	
6. Describe any plans and estimate completion dates for any enlargements or improvements of this system. Projects completed 2002: WWTP flow metering 7/31/02.		
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		
8. If the utility does not engage in reuse, has a reuse feasibility study been completed?		No
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 requirement?		
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
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 #	FLA011742-001-DW3P	

\* An ERC is determined based on the calculation on S-11

\*\* Based on meter equivalency factors for ERCs



**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. (d)	TOTAL WATER PUMPED AND PURCHASED (Omit 000's) (b)+(c)-(d)] (e)	WATER SOLD TO CUSTOMERS (Omit 000's) (f)
January	3,722	1,646	18	5,350	5,106
February	3,551	1,453	10	4,994	4,851
March	4,069	1,427	1,499	3,997	4,815
April	3,964	1,545	41	5,468	5,002
May	4,146	1,737	285	5,599	5,185
June	4,280	1,174	101	5,354	5,494
July	3,558	1,319	63	4,814	5,116
August	3,776	1,441	164	5,053	4,439
September	4,137	788	91	4,834	4,787
October	4,030	1,383	211	5,201	4,902
November	4,034	1,357	792	4,599	5,037
December	4,107	1,394	143	5,357	5,011
Total for year	47,373	16,664	3,418	60,620	59,746

If water is purchased for resale, indicate the following:  
 Vendor Pasco County and City of New Port Richey  
 Point of delivery 3 X 4" Compound meters

If water is sold to other water utilities for redistribution, 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	160	230,400	Deep Well

### WATER TREATMENT PLANT INFORMATION

Provide a separate sheet for each water treatment facility

Capacity of Plant (GPD):	* 230,400	(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 per gallon):	N/A	Manufacturer:
FILTRATION		
Type and size of area:		
Pressure (in square feet):	N/A	Manufacturer:
Gravity (in GPM/square feet):	N/A	Manufacturer:

\* Well

\* Interconnected with Pasco County



**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	1,196	1,196
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	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
<b>Total Residential Water System Meter Equivalents</b>			1,197	1,214

**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:  
 $ERC = ( \text{Total SFR gallons sold (Omit 000)} / 365 \text{ days} / 350 \text{ gallons per day} )$

<b>Calculations: (a)</b>			
<b>SFR Gallons Sold</b>	<b>Average Customers</b>	<b>Days</b>	<b>ERC</b>
57,936,864	1,186	365	134

**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	4	4
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 Commercial Water System Meter Equivalents			5	12

**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.	1,186
2. Maximum number of ERCs * which can be served **	N/A - Interconnected
3. Present system connection capacity (in ERCs *) using existing lines	1,186
4. Future connection capacity (in ERCs *) upon service area buildout.	1,186
5. Estimated annual increase in ERCs *.	4
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 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 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?	
11. Department of Environmental Protection ID #.	6511331
12. Water Management District Consumptive Use Permit #	203759.02
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?	It should be noted that withdrawal quantities are dynamic and may fluctuate beyond permitted quantities during the duration of the permit. Permits are reviewed periodically 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.

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	1,032	1,032
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 Turb	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
<b>Total Residential Wastewater System Meter Equivalents</b>				1,032

**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 family residence (SFR) gallons sold by the average number of single family residence customers for the same period and divide the results by 365 days.

(b) If no historical flow data are available, use:

$$ERC = ( \text{Total SFR gallons treated (Omit 000)} / 365 \text{ days} / 275 \text{ gallons per day} )$$

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	Days	ERC
SFR Gallons Sold	Customers		
40,701,450	1,030	365	108

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	0	0
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 Turb	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
<b>Total Commercial Wastewater System Meter Equivalents</b>				<b>0</b>

**TREATMENT PLANT**

Provide a separate sheet for each wastewater treatment facility

Permitted Capacity (gpd)	130,000		
Basis of Permit Capacity (1)	AADF		
Manufacturer	MARLOF		
Type (2)	Type II Extended Aeration		
Hydraulic Capacity (gpd)	130,000		
Average Daily Flow (mgd)	0.114	(Average of Max Month)	
Effluent Disposal (gpd)	130,000		
Total Gallons of WW Treated (mg)	39.437		
Method of Effluent Disposal	Ponds, Sprayfield		

- (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 separate page should be supplied where necessary.

1. Present number of ERC's * now being served.	1,030
2. Maximum number of ERC's * which can be served.	1,204 **
** Note: SFR gallons sold is not representative of total ww flow at plant	
3. Present system connection capacity (in ERCs*) using existing lines.	1,030
4. Future connection capacity (in ERCs*) upon service area buildout.**	1,030
5. Estimated annual increase in ERCs*	0
6. Describe any plans and estimate completion dates for any enlargements or improvements of this system.	None
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
8. If the utility does not engage in reuse, has a reuse feasibility study been completed?	No
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 requirement?	
10. When did the company last file a capacity analysis report with the DEP?	February-98
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 #	FLA012773-001-DW2P

\* An ERC is determined based on the calculation on S-11

\*\* Based on meter equivalency factors for ERCs





**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. (d)	TOTAL WATER PUMPED AND PURCHASED (Omit 000's) (b)+(c)-(d)] (e)	WATER SOLD TO CUSTOMERS (Omit 000's) (f)
January	1,927	0	92	1,835	1,651
February	1,923	0	12	1,911	1,880
March	2,003	0	92	1,911	1,889
April	2,536	0	12	2,524	1,947
May	3,023	0	12	3,011	2,355
June	2,064	0	12	2,052	2,688
July	3,528	0	224	3,304	2,028
August	2,674	0	12	2,662	2,205
September	2,283	0	351	1,932	2,369
October	2,912	0	12	2,900	2,156
November	2,222	0	77	2,145	2,390
December	2,551	0	136	2,416	1,906
Total for year	29,646	0	1,043	28,602	25,464

If water is purchased for resale, indicate the following:  
 Vendor Intercoastal Utilities  
 Point of delivery 4" compound Sensus meter @ Landing Lane

If water is sold to other water utilities for redistribution, 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
Interconnected with Intercoastal Utilities			

### 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 TREATMENT	
Unit rating (i.e., GPM, pounds per gallon):	N/A                      Manufacturer:
FILTRATION	
Type and size of area:	
Pressure (in square feet):	N/A                      Manufacturer:
Gravity (in GPM/square feet):	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	263	263
3/4"	Displacement	1.5	2	3
1"	Displacement	2.5	11	28
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
<b>Total Residential Water System Meter Equivalents</b>			277	302

**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:  
 $ERC = ( \text{Total SFR gallons sold (Omit 000)} / 365 \text{ days} / 350 \text{ gallons per day} )$

<b>Calculations: (a)</b>	<b>Average</b>		
<b>SFR Gallons Sold</b>	<b>Customers</b>	<b>Days</b>	<b>ERC</b>
22,709,719	212	365	293

**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	8	8
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	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 Commercial Water System Meter Equivalents			12	23

**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.	212
2. Maximum number of ERCs * which can be served **	N/A - Interconnected
3. Present system connection capacity (in ERCs *) using existing lines.	261
4. Future connection capacity (in ERCs *) upon service area buildout.	308
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?	
7. Attach a description of the fire fighting facilities.	N/A
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 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?	
11. Department of Environmental Protection ID #.	2550866
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?	

\* 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 (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. (d)	TOTAL WATER PUMPED AND PURCHASED (Omit 000's) (b)+(c)-(d)] (e)	WATER SOLD TO CUSTOMERS (Omit 000's) (f)
January	0	309	96	213	147
February	0	377	129	247	173
March	0	350	122	229	194
April	0	399	142	257	151
May	0	378	185	193	109
June	0	422	241	181	93
July	0	451	436	14	60
August	0	530	483	47	45
September	0	607	515	93	62
October	0	500	504	-4	62
November	0	426	409	18	88
December	0	525	400	124	119
Total for year	0	5,274	3,664	1,611	1,302

If water is purchased for resale, indicate the following:

Vendor                                      N/A  
 Point of delivery                        N/A

If water is sold to other water utilities for redistribution, 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	130	187,200	Deep Well

**WATER TREATMENT PLANT INFORMATION**  
Provide a separate sheet for each water treatment facility

Capacity of Plant (GPD):	* 187,200	(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	
<b>LIME TREATMENT</b>		
Unit rating (i.e., GPM, pounds per gallon):	N/A	Manufacturer:
<b>FILTRATION</b>		
Type and size of area:		
Pressure (in square feet):	N/A	Manufacturer:
Gravity (in GPM/square feet):	N/A	Manufacturer:

\* 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	62	62
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
<b>Total Residential Water System Meter Equivalents</b>			62	62

**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:  

$$ERC = ( \text{Total SFR gallons sold (Omit 000)} / 365 \text{ days} / 350 \text{ gallons per day} )$$

<b>Calculations: (a)</b>	<b>Average</b>		
<b>SFR Gallons Sold</b>	<b>Customers</b>	<b>Days</b>	<b>ERC</b>
1,302,220	60	365	59

**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	0	0
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
<b>Total Commercial Water System Meter Equivalents</b>			0	0

**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.	60
2. Maximum number of ERCs * which can be served **	787
3. Present system connection capacity (in ERCs *) using existing lines.	85
4. Future connection capacity (in ERCs *) upon service area buildout.	85
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.	N/A
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 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?	
11. Department of Environmental Protection ID #.	3350981
12. Water Management District Consumptive Use Permit #	2612
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 periodically 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



**UTILITY NAME:** FLORIDA WATER SERVICES CORP.

**YEAR OF REPORT**  
**DECEMBER 31, 2001**

**SYSTEM NAME:** Putnum / Park Manor - Water

**Park Manor Interconnected with Interlachen Lake**

**(Refer to Interlachen Lake for Annual Report)**



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	27	27
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 Turb	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
<b>Total Residential Wastewater System Meter Equivalents</b>				<b>27</b>

### 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 family residence (SFR) gallons sold by the average number of single family residence customers for the same period and divide the results by 365 days.

(b) If no historical flow data are available, use:

$$ERC = ( \text{Total SFR gallons treated (Omit 000)} / 365 \text{ days} / 275 \text{ gallons per day} )$$

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:	SFR Gallons Sold	Average Customers	Days	ERC
	1,182,950	26	365	125

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	3	3
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 Turb	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
<b>Total Commercial Wastewater System Meter Equivalents</b>				<b>8</b>



**TREATMENT PLANT**

Provide a separate sheet for each wastewater treatment facility

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)	3.089		
Method of Effluent Disposal	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.

### 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.	26	
2. Maximum number of ERC's * which can be served.	120	**
** Note: SFR gallons sold is not representative of total ww flow at plant.		
3. Present system connection capacity (in ERCs*) using existing lines.	27	
4. Future connection capacity (in ERCs*) upon service area buildout.**	27	
5. Estimated annual increase in ERCs*	2	
6. Describe any plans and estimate completion dates for any enlargements or improvements of this system. None		
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		
8. If the utility does not engage in reuse, has a reuse feasibility study been completed?		No
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 requirement?		
10. When did the company last file a capacity analysis report with the DEP?		January-98
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 #	FLA011706-001-DW3P	

\* An ERC is determined based on the calculation on S-11

\*\* Based on meter equivalency factors for ERCs

**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. (d)	TOTAL WATER PUMPED AND PURCHASED (Omit 000's) (b)+(c)-(d)] (e)	WATER SOLD TO CUSTOMERS (Omit 000's) (f)
January	0	988	2	986	870
February	0	889	0	889	966
March	0	1,086	12	1,074	978
April	0	1,283	238	1,044	958
May	0	1,428	36	1,392	1,235
June	0	1,086	3	1,084	1,442
July	0	1,116	127	989	948
August	0	1,061	92	969	759
September	0	999	17	982	814
October	0	950	0	950	814
November	0	1,020	0	1,020	898
December	0	1,002	1	1,001	990
Total for year	0	12,908	528	12,379	11,671

If water is purchased for resale, indicate the following:

Vendor N/A  
 Point of delivery N/A

If water is sold to other water utilities for redistribution, 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	175	252,000	Deep Well
Well # 2	100	144,000	Deep Well

**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 TREATMENT		
Unit rating (i.e., GPM, pounds per gallon):	N/A	Manufacturer:
FILTRATION		
Type and size of area:		
Pressure (in square feet):	N/A	Manufacturer:
Gravity (in GPM/square feet):	N/A	Manufacturer:

\* 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	155	155
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
<b>Total Residential Water System Meter Equivalents</b>			156	158

**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:

$$ERC = ( \text{Total SFR gallons sold (Omit 000)} / 365 \text{ days} / 350 \text{ gallons per day} )$$

<b>Calculations: (a)</b>	<b>Average</b>			
<b>SFR Gallons Sold</b>	<b>Customers</b>	<b>Days</b>	<b>ERC</b>	
11,671,420	137	365	233	

**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	0	0
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 Commercial Water System Meter Equivalents			0	0

**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.	137
2. Maximum number of ERCs * which can be served **	154
3. Present system connection capacity (in ERCs *) using existing lines.	180
4. Future connection capacity (in ERCs *) upon service area buildout.	200
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.	N/A
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 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?	
11. Department of Environmental Protection ID #.	3351009
12. Water Management District Consumptive Use Permit #	2609
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 periodically 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.





**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. (d)	TOTAL WATER PUMPED AND PURCHASED (Omit 000's) (b)+(c)-(d)] (e)	WATER SOLD TO CUSTOMERS (Omit 000's) (f)
January	0	4,083	0	4,083	3,625
February	0	3,586	0	3,586	3,630
March	0	3,957	0	3,957	4,404
April	0	5,058	0	5,058	4,241
May	0	6,000	0	6,000	5,682
June	0	3,839	0	3,839	5,829
July	0	3,383	0	3,383	4,315
August	0	3,472	0	3,472	3,261
September	0	3,054	0	3,054	3,756
October	0	3,616	0	3,616	3,228
November	0	3,474	0	3,474	3,884
December	0	3,662	0	3,662	3,767
Total for year	0	47,184	0	47,184	49,621

If water is purchased for resale, indicate the following:  
 Vendor N/A  
 Point of delivery N/A

If water is sold to other water utilities for redistribution, 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	360	518,400	Deep Well
Well # 2	125	180,000	Deep Well

### WATER TREATMENT PLANT INFORMATION

Provide a separate sheet for each water treatment facility

Capacity of Plant (GPD):	* 489,600	(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	
<b>LIME TREATMENT</b>		
Unit rating (i.e., GPM, pounds per gallon):	N/A	Manufacturer:
<b>FILTRATION</b>		
Type and size of area:		
Pressure (in square feet):	N/A	Manufacturer:
Gravity (in GPM/square feet):	N/A	Manufacturer:

\* 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	466	466
3/4"	Displacement	1.5	0	0
1"	Displacement	2.5	1	3
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
<b>Total Residential Water System Meter Equivalents</b>			468	474

**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:  

$$ERC = ( \text{Total SFR gallons sold (Omit 000)} / 365 \text{ days} / 350 \text{ gallons per day} )$$

<b>Calculations: (a)</b>		<b>Average</b>		
	<b>SFR Gallons Sold</b>	<b>Customers</b>	<b>Days</b>	<b>ERC</b>
	49,020,127	465	365	289

**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	9	9
3/4"	Displacement	1.5	0	0
1"	Displacement	2.5	2	5
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	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
<b>Total Commercial Water System Meter Equivalents</b>			13	40

**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.	465
2. Maximum number of ERCs * which can be served **	424
3. Present system connection capacity (in ERCs *) using existing lines.	512
4. Future connection capacity (in ERCs *) upon service area buildout.	512
5. Estimated annual increase in ERCs *	7
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 improvements of this system. Projects completed 2002: Upgrade high service pumps and electrical system to meet fire flow.	
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 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?	
11. Department of Environmental Protection ID #.	3494292
12. Water Management District Consumptive Use Permit #	49-00946-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 periodically 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.



**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. (d)	TOTAL WATER PUMPED AND PURCHASED (Omit 000's) (b)+(c)-(d)] (e)	WATER SOLD TO CUSTOMERS (Omit 000's) (f)
January	0	1,425	104	1,321	1,394
February	0	1,268	81	1,187	1,362
March	0	1,328	14	1,314	1,408
April	0	1,815	212	1,602	1,273
May	0	2,391	85	2,305	1,650
June	0	1,599	109	1,490	2,381
July	0	1,425	71	1,354	1,469
August	0	1,394	59	1,335	1,117
September	0	1,227	64	1,162	1,232
October	0	1,433	54	1,379	1,258
November	0	1,417	76	1,341	1,253
December	0	1,571	76	1,495	1,480
Total for year	0	18,291	1,006	17,285	17,277

If water is purchased for resale, indicate the following:

Vendor N/A  
 Point of delivery N/A

If water is sold to other water utilities for redistribution, 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	300	432,000	Deep Well
Well # 2	140	201,600	Deep Well

### WATER TREATMENT PLANT INFORMATION

Provide a separate sheet for each water treatment facility

Capacity of Plant (GPD):	* 201,600	(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 per gallon):	N/A	Manufacturer:
FILTRATION		
Type and size of area:		
Pressure (in square feet):	N/A	Manufacturer:
Gravity (in GPM/square feet):	N/A	Manufacturer:

\* 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	180	180
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
<b>Total Residential Water System Meter Equivalents</b>			180	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:  
 $ERC = ( \text{Total SFR gallons sold (Omit 000)} / 365 \text{ days} / 350 \text{ gallons per day} )$

<b>Calculations: (a)</b>	<b>Average</b>			
<b>SFR Gallons Sold</b>	<b>Customers</b>	<b>Days</b>	<b>ERC</b>	
16,951,321	168	365	276	

**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	2	2
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
<b>Total Commercial Water System Meter Equivalents</b>			2	2

**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.	168
2. Maximum number of ERCs * which can be served **	182
3. Present system connection capacity (in ERCs *) using existing lines.	199
4. Future connection capacity (in ERCs *) upon service area buildout.	199
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.	N/A
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 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?	
11. Department of Environmental Protection ID #.	3351021
12. Water Management District Consumptive Use Permit #	2604
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 periodically 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.



**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. (d)	TOTAL WATER PUMPED AND PURCHASED (Omit 000's) (b)+(c)-(d)] (e)	WATER SOLD TO CUSTOMERS (Omit 000's) (f)
January	0	667	4	663	772
February	0	526	0	526	742
March	0	649	0	649	765
April	0	612	4	609	820
May	0	812	17	795	829
June	0	760	4	756	872
July	0	754	4	750	778
August	0	883	2	881	787
September	0	726	8	718	671
October	0	829	29	800	742
November	0	788	4	785	830
December	0	812	6	806	761
Total for year	0	8,817	80	8,737	9,369

If water is purchased for resale, indicate the following:

Vendor N/A  
 Point of delivery N/A

If water is sold to other water utilities for redistribution, 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	60	86,400	Deep Well
Well # 2	35	50,400	Deep Well

### WATER TREATMENT PLANT INFORMATION

Provide a separate sheet for each water treatment facility

Capacity of Plant (GPD):	* 50,400	(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 per gallon):	N/A	Manufacturer:
FILTRATION		
Type and size of area:		
Pressure (in square feet):	N/A	Manufacturer:
Gravity (in GPM/square feet):	N/A	Manufacturer:

\* 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	187	187
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
<b>Total Residential Water System Meter Equivalents</b>			188	190

**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:  

$$ERC = ( \text{Total SFR gallons sold (Omit 000)} / 365 \text{ days} / 350 \text{ gallons per day} )$$

<b>Calculations: (a)</b>	<b>Average</b>			
<b>SFR Gallons Sold</b>	<b>Customers</b>	<b>Days</b>	<b>ERC</b>	
7,675,033	152	365	138	

**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	6	6
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	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
<b>Total Commercial Water System Meter Equivalents</b>			9	25



**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.	152
2. Maximum number of ERCs * which can be served **	91
3. Present system connection capacity (in ERCs *) using existing lines	291
4. Future connection capacity (in ERCs *) upon service area buildout	416
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.	N/A
8. Describe any plans and estimated completion dates for any enlargements or improvements of this system. Projects completed 2002. Distribution system improvements.	
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 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?	
11. Department of Environmental Protection ID #.	2540905
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?	

\* 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 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 Distribution	
Type of treatment (reverse osmosis, (sedimentation, chemical, aerated, etc.):	Chlorination	
LIME TREATMENT		
Unit rating (i.e., GPM, pounds per gallon):	N/A	Manufacturer:
FILTRATION		
Type and size of area:		
Pressure (in square feet):	N/A	Manufacturer:
Gravity (in GPM/square feet):	N/A	Manufacturer:

\* 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	183	183
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
<b>Total Residential Water System Meter Equivalents</b>			183	183

**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:  

$$ERC = ( \text{Total SFR gallons sold (Omit 000)} / 365 \text{ days} / 350 \text{ gallons per day} )$$

Calculations: (a)	SFR Gallons Sold	Average Customers	Days	ERC
	9,717,939	154	365	173

**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	0	0
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 Commercial Water System Meter Equivalents			0	0

**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.	154
2. Maximum number of ERCs * which can be served **	416
3. Present system connection capacity (in ERCs *) using existing lines.	246
4. Future connection capacity (in ERCs *) upon service area buildout.	327
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.	N/A
8. Describe any plans and estimated completion dates for any enlargements or improvements of this system. Projects completed 2002: Replace hydrotank and install 1,400 feet of water main.	
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 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?	
11. Department of Environmental Protection ID #.	2100912
12. Water Management District Consumptive Use Permit #	519
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 periodically 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.





**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. (d)	TOTAL WATER PUMPED AND PURCHASED (Omit 000's) (b)+(c)-(d)] (e)	WATER SOLD TO CUSTOMERS (Omit 000's) (f)
January	0	424	0	424	200
February	0	384	4	380	210
March	0	368	725	-357	219
April	0	388	130	258	237
May	0	406	134	272	251
June	0	365	6	359	270
July	0	355	80	275	197
August	0	369	37	332	185
September	0	364	18	346	211
October	0	361	0	361	197
November	0	357	228	129	179
December	0	395	218	177	207
Total for year	0	4,536	1,579	2,957	2,563

If water is purchased for resale, indicate the following:

Vendor N/A  
 Point of delivery N/A

If water is sold to other water utilities for redistribution, 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	650	936,000	Deep Well

**WATER TREATMENT PLANT INFORMATION**  
Provide a separate sheet for each water treatment facility

Capacity of Plant (GPD):	* 936,000	(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		
Unit rating (i.e., GPM, pounds per gallon):	N/A	Manufacturer:
FILTRATION		
Type and size of area:		
Pressure (in square feet):	N/A	Manufacturer:
Gravity (in GPM/square feet):	N/A	Manufacturer:

\* 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	54	54
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
<b>Total Residential Water System Meter Equivalents</b>			55	59

**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.  

$$ERC = ( \text{Total SFR gallons sold (Omit 000)} / 365 \text{ days} / 350 \text{ gallons per day} )$$

<b>Calculations: (a)</b>	<b>Average</b>			
<b>SFR Gallons Sold</b>	<b>Customers</b>	<b>Days</b>	<b>ERC</b>	
2,562,520	46	365	153	

**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	0	0
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
<b>Total Commercial Water System Meter Equivalents</b>			1	8

**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.	46
2. Maximum number of ERCs * which can be served **	1,533
3. Present system connection capacity (in ERCs *) using existing lines.	78
4. Future connection capacity (in ERCs *) upon service area buildout.	78
5. Estimated annual increase in ERCs *	5
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 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 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?	
11. Department of Environmental Protection ID #.	3354867
12. Water Management District Consumptive Use Permit #	4545
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 periodically 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.



**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. (d)	TOTAL WATER PUMPED AND PURCHASED (Omit 000's) (b)+(c)-(d)] (e)	WATER SOLD TO CUSTOMERS (Omit 000's) (f)
January	0	1,009	5	1,004	780
February	0	948	5	943	929
March	0	810	5	805	890
April	0	1,549	5	1,544	759
May	0	1,858	5	1,853	1,402
June	0	1,035	9	1,026	1,694
July	0	1,251	24	1,227	1,021
August	0	1,005	23	982	1,119
September	0	762	23	739	889
October	0	1,160	23	1,137	662
November	0	1,010	23	987	1,045
December	0	1,084	23	1,061	885
Total for year	0	13,479	173	13,306	12,074

If water is purchased for resale, indicate the following:  
 Vendor N/A  
 Point of delivery N/A

If water is sold to other water utilities for redistribution, 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	48	69,120	Deep Well
Well # 2	65	93,600	Deep Well

### WATER TREATMENT PLANT INFORMATION

Provide a separate sheet for each water treatment facility

Capacity of Plant (GPD):	* 69,120	(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 TREATMENT		
Unit rating (i.e., GPM, pounds per gallon):	N/A	Manufacturer:
FILTRATION		
Type and size of area:		
Pressure (in square feet):	N/A	Manufacturer:
Gravity (in GPM/square feet):	N/A	Manufacturer:

\* 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	80	80
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
<b>Total Residential Water System Meter Equivalents</b>			81	83

**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:  

$$ERC = ( \text{Total SFR gallons sold (Omit 000)} / 365 \text{ days} / 350 \text{ gallons per day} )$$

<b>Calculations: (a)</b>	<b>Average</b>		
<b>SFR Gallons Sold</b>	<b>Customers</b>	<b>Days</b>	<b>ERC</b>
12,073,760	81	365	408

**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	0	0
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 Commercial Water System Meter Equivalents			0	0

**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.	81
2. Maximum number of ERCs * which can be served **	85
3. Present system connection capacity (in ERCs *) using existing lines.	85
4. Future connection capacity (in ERCs *) upon service area buildout.	85
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
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 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?	
11. Department of Environmental Protection ID #.	2554361
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?	

\* 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 (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. (d)	TOTAL WATER PUMPED AND PURCHASED (Omit 000's) (b)+(c)-(d)] (e)	WATER SOLD TO CUSTOMERS (Omit 000's) (f)
January	0	596	0	596	529
February	0	543	0	543	487
March	0	551	0	551	497
April	0	712	6	706	490
May	0	791	4	787	636
June	0	513	4	510	710
July	0	552	4	548	444
August	0	616	5	611	480
September	0	495	3	492	513
October	0	611	5	606	453
November	0	581	4	577	485
December	0	671	6	665	537
Total for year	0	7,232	39	7,193	6,263

If water is purchased for resale, indicate the following:  
 Vendor N/A  
 Point of delivery N/A

If water is sold to other water utilities for redistribution, 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	135	194,400	Deep Well

### WATER TREATMENT PLANT INFORMATION

Provide a separate sheet for each water treatment facility

Capacity of Plant (GPD):	* 194,400	(Max Day)
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		
Unit rating (i.e., GPM, pounds per gallon):	N/A	Manufacturer:
FILTRATION		
Type and size of area:		
Pressure (in square feet):	N/A	Manufacturer:
Gravity (in GPM/square feet):	N/A	Manufacturer:

\* 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	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 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
<b>Total Residential Water System Meter Equivalents</b>			107	107

**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:  

$$ERC = ( \text{Total SFR gallons sold (Omit 000)} / 365 \text{ days} / 350 \text{ gallons per day} )$$

<b>Calculations: (a)</b>	<b>Average</b>		
<b>SFR Gallons Sold</b>	<b>Customers</b>	<b>Days</b>	<b>ERC</b>
6,262,550	106	365	162

**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	0	0
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
<b>Total Commercial Water System Meter Equivalents</b>			0	0



**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.	106
2. Maximum number of ERCs * which can be served **	601
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 *.	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.	N/A
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 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?	
11. Department of Environmental Protection ID #.	2540959
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?	

\* 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 (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. (d)	TOTAL WATER PUMPED AND PURCHASED (Omit 000's) (b)+(c)-(d)] (e)	WATER SOLD TO CUSTOMERS (Omit 000's) (f)
January	0	1,758	0	1,758	1,356
February	0	1,697	0	1,697	1,220
March	0	2,021	0	2,021	1,248
April	0	2,077	124	1,954	1,428
May	0	2,099	4	2,095	1,526
June	0	1,660	4	1,657	1,667
July	0	2,069	0	2,069	1,269
August	0	1,391	4	1,387	1,586
September	0	1,302	4	1,298	1,863
October	0	1,213	4	1,209	1,092
November	0	1,513	4	1,509	894
December	0	1,395	36	1,359	1,269
Total for year	0	20,194	182	20,012	16,419

If water is purchased for resale, indicate the following:

Vendor N/A  
 Point of delivery N/A

If water is sold to other water utilities for redistribution, 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	500	720,000	Deep Well
Well # 2	133	191,520	Forestry Service Well

### WATER TREATMENT PLANT INFORMATION

Provide a separate sheet for each water treatment facility

Capacity of Plant (GPD):	* 191,520	(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 per gallon):	N/A	Manufacturer:
FILTRATION		
Type and size of area:		
Pressure (in square feet):	N/A	Manufacturer:
Gravity (in GPM/square feet):	N/A	Manufacturer:

\* 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	127	127
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
<b>Total Residential Water System Meter Equivalents</b>			128	130

**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:  

$$ERC = ( \text{Total SFR gallons sold (Omit 000)} / 365 \text{ days} / 350 \text{ gallons per day} )$$

<b>Calculations: (a)</b>	<b>Average</b>		
<b>SFR Gallons Sold</b>	<b>Customers</b>	<b>Days</b>	<b>ERC</b>
2,842,690	117	365	67

**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	10
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	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	2	60
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 Commercial Water System Meter Equivalents			14	81

**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.	117
2. Maximum number of ERCs * which can be served **	719
3. Present system connection capacity (in ERCs *) using existing lines.	170
4. Future connection capacity (in ERCs *) upon service area buildout.	201
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? 750 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 improvements of this system. Projects completed 2002: Line extension to serve new customers.	
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 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?	
11. Department of Environmental Protection ID #	3420408
12. Water Management District Consumptive Use Permit #	108
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 periodically 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.

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	126	126
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 Turb	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
<b>Total Residential Wastewater System Meter Equivalents</b>				126

**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 family residence (SFR) gallons sold by the average number of single family residence customers for the same period and divide the results by 365 days.
- (b) If no historical flow data are available, use:

$$ERC = ( \text{Total SFR gallons treated (Omit 000)} / 365 \text{ days} / 275 \text{ gallons per day} )$$

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:	SFR Gallons Sold	Average Customers	Days	ERC
	2,337,516	114	365	56



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	10	10
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 Turb	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	2	60
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
<b>Total Commercial Wastewater System Meter Equivalents</b>				<b>70</b>

**TREATMENT PLANT**

Provide a separate sheet for each wastewater treatment facility

Permitted Capacity (gpd)	85,000		
Basis of Permit Capacity (1)	M3MADF		
Manufacturer	MAROLF		
Type (2)	Extended Aeration		
Hydraulic Capacity (gpd)	85,000		
Average Daily Flow (mgd)	0.034	(Average of Max Month)	
Effluent Disposal (gpd)	85,000		
Total Gallons of WW Treated (mg)	9.978		
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.

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.	114
2. Maximum number of ERC's * which can be served.	1,214 **
** Note: SFR gallons sold is not representative of total ww flow at plant.	
3. Present system connection capacity (in ERCs*) using existing lines.	147
4. Future connection capacity (in ERCs*) upon service area buildout.**	203
5. Estimated annual increase in ERCs*	0
6. Describe any plans and estimate completion dates for any enlargements or improvements of this system.	Main extension completed 3/13/02
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
8. If the utility does not engage in reuse, has a reuse feasibility study been completed?	No
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 requirement?	
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
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 #	FLA010686-001

\* An ERC is determined based on the calculation on S-11

\*\* Based on meter equivalency factors for ERCs





### WATER TREATMENT PLANT INFORMATION

Provide a separate sheet for each water treatment facility

Capacity of Plant (GPD):	* 122,400	(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 per gallon):	N/A	Manufacturer:
FILTRATION		
Type and size of area:		
Pressure (in square feet):	N/A	Manufacturer:
Gravity (in GPM/square feet):	N/A	Manufacturer:

\* 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	0	0
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
<b>Total Residential Water System Meter Equivalents</b>			0	0

**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:

$$ERC = ( \text{Total SFR gallons sold (Omit 000)} / 365 \text{ days} / 350 \text{ gallons per day} )$$

<b>Calculations: (a)</b>	<b>Average</b>		
<b>SFR Gallons Sold</b>	<b>Customers</b>	<b>Days</b>	<b>ERC</b>
1,567,010	2	365	2,147

**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	0	0
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	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 Commercial Water System Meter Equivalents			2	13



**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.	2
2. Maximum number of ERCs * which can be served **	14
3. Present system connection capacity (in ERCs *) using existing lines	13
4. Future connection capacity (in ERCs *) upon service area buildout.	13
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.	N/A
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 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?	
11. Department of Environmental Protection ID #.	6424651
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?	

\* 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 CORP.

**YEAR OF REPORT**  
**DECEMBER 31, 2001**

**SYSTEM NAME:** Putnum / Saratoga Harbour

**Saratoga Harbour Interconnected with Welaka**

**(Refer to Welaka for Annual Report)**



**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. (d)	TOTAL WATER PUMPED AND PURCHASED (Omit 000's) (b)+(c)-(d)] (e)	WATER SOLD TO CUSTOMERS (Omit 000's) (f)
January	0	24,138	1,907	22,231	18,895
February	0	22,788	719	22,069	19,516
March	0	23,460	1,278	22,182	22,079
April	0	32,816	9,863	22,953	21,917
May	0	40,389	4,420	35,969	29,267
June	0	31,252	3,943	27,309	34,713
July	0	22,190	3,828	18,362	21,761
August	0	22,435	2,045	20,390	15,809
September	0	22,884	4,235	18,649	20,554
October	0	28,137	1,279	26,857	20,732
November	0	26,186	4,195	21,992	21,159
December	0	26,810	400	26,410	21,460
Total for year	0	323,486	38,111	285,375	267,861

Silver Lake Estates and Western Shores are Interconnected  
 If water is purchased for resale, indicate the following:  
 Vendor N/A  
 Point of delivery N/A

If water is sold to other water utilities for redistribution, 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	Silver Lake Estates	1,425	2,052,000	Deep Well
Well #2	Silver Lake Estates	1,425	2,052,000	Deep Well
Well #1	Western Shores	600	864,000	Deep Well

**WATER TREATMENT PLANT INFORMATION**

Provide a separate sheet for each water treatment facility

Capacity of Plant (GPD):	* 2,916,000	(Reliable Max Day)
Location of measurement (i.e. WellHead, Storage Tank):	WellHead and/or Distribution	
Type of treatment (reverse osmosis, (sedimentation, chemical, aerated, etc.):	Chlorination and Aeration	
<b>LIME TREATMENT</b>		
Unit rating (i.e., GPM, pounds per gallon):	N/A	Manufacturer:
<b>FILTRATION</b>		
Type and size of area:		
Pressure (in square feet):	N/A	Manufacturer:
Gravity (in GPM/square feet):	N/A	Manufacturer:

\* 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	918	918
3/4"	Displacement	1.5	13	20
1"	Displacement	2.5	192	480
1 1/2"	Displacement or Turbine	5.0	1	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
<b>Total Residential Water System Meter Equivalents</b>			1,125	1,431

**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:

$$ERC = ( \text{Total SFR gallons sold (Omit 000)} / 365 \text{ days} / 350 \text{ gallons per day} )$$

Calculations: (a)	SFR Gallons Sold	Average Customers	Days	ERC
	236,204,827	1,117	365	579

**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	1
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	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 Commercial Water System Meter Equivalents			3	17



**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.	1,117
2. Maximum number of ERCs * which can be served **	2,517
3. Present system connection capacity (in ERCs *) using existing lines	1,271
4. Future connection capacity (in ERCs *) upon service area buildout.	1,698
5. Estimated annual increase in ERCs *	4
6. Is the utility required to have fire flow capacity? Yes If so, how much capacity is required? 750 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 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 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?	
11. Department of Environmental Protection ID #.	3351182
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?	

\* 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 (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. (d)	TOTAL WATER PUMPED AND PURCHASED (Omit 000's) (b)+(c)-(d)] (e)	WATER SOLD TO CUSTOMERS (Omit 000's) (f)
January	0	123	4	119	136
February	0	109	3	106	106
March	0	129	0	128	119
April	0	103	4	99	122
May	0	126	0	126	106
June	0	109	4	105	123
July	0	157	4	153	109
August	0	126	3	123	121
September	0	135	4	131	107
October	0	120	3	117	184
November	0	114	4	110	58
December	0	113	3	110	115
Total for year	0	1,462	36	1,426	1,405

If water is purchased for resale, indicate the following:

Vendor N/A  
 Point of delivery N/A

If water is sold to other water utilities for redistribution, 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 #2	75	108,000	Deep Well

### 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 and Aeration	
LIME TREATMENT		
Unit rating (i.e., GPM, pounds per gallon):	N/A	Manufacturer:
FILTRATION		
Type and size of area:		
Pressure (in square feet):	N/A	Manufacturer:
Gravity (in GPM/square feet):	N/A	Manufacturer:

\* 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	59	59
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
<b>Total Residential Water System Meter Equivalents</b>			59	59

**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:

$$ERC = ( \text{Total SFR gallons sold (Omit 000)} / 365 \text{ days} / 350 \text{ gallons per day} )$$

Calculations: (a)	Average		
SFR Gallons Sold	Customers	Days	ERC
1,405,180	38	365	101

**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	0	0
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
<b>Total Commercial Water System Meter Equivalents</b>			0	0

**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	38
2. Maximum number of ERCs * which can be served **	249
3. Present system connection capacity (in ERCs *) using existing lines.	38
4. Future connection capacity (in ERCs *) upon service area buildout.	38
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	N/A
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 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?	
11. Department of Environmental Protection ID #	2544258
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?	

\* 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.

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	59	59
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 Turb	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
<b>Total Residential Wastewater System Meter Equivalents</b>				<b>59</b>

**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 family residence (SFR) gallons sold by the average number of single family residence customers for the same period and divide the results by 365 days.
- (b) If no historical flow data are available, use:

$$ERC = ( \text{Total SFR gallons treated (Omit 000)} / 365 \text{ days} / 275 \text{ gallons per day} )$$

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:	SFR Gallons Sold	Average Customers	Days	ERC
	1,255,710	38	365	91



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	0	0
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 Turb	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
<b>Total Commercial Wastewater System Meter Equivalents</b>				0

**TREATMENT PLANT**

Provide a separate sheet for each wastewater treatment facility

Permitted Capacity (gpd)	12,000		
Basis of Permit Capacity (1)	AADF		
Manufacturer	MCNEIL		
Type (2)	Extended Aeration		
Hydraulic Capacity (gpd)	12,000		
Average Daily Flow (mgd)	0.004	(Average of Max Month)	
Effluent Disposal (gpd)	12,000		
Total Gallons of WW Treated (mg)	0.954		
Method of Effluent Disposal	Drainfield		

- (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 separate page should be supplied where necessary.

1. Present number of ERC's \* now being served. 38
2. Maximum number of ERC's \* which can be served. 132 \*\*  
\*\* Note: SFR gallons sold is not representative of total ww flow at plant
3. Present system connection capacity (in ERCs\*) using existing lines. 38
4. Future connection capacity (in ERCs\*) upon service area buildout.\*\* 38
5. Estimated annual increase in ERCs\* 2
6. Describe any plans and estimate completion dates for any enlargements or improvements of this system.  
None
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
8. If the utility does not engage in reuse, has a reuse feasibility study been completed? No  
  
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 requirement?
10. When did the company last file a capacity analysis report with the DEP? October-00
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 # FLA011715

\* An ERC is determined based on the calculation on S-11

\*\* Based on meter equivalency factors for ERCs



**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. (d)	TOTAL WATER PUMPED AND PURCHASED (Omit 000's) (b)+(c)-(d)] (e)	WATER SOLD TO CUSTOMERS (Omit 000's) (f)
January	0	898	12	886	477
February	0	833	0	833	587
March	0	914	320	594	613
April	0	1,102	403	699	597
May	0	960	372	588	780
June	0	802	2	800	777
July	0	817	244	572	676
August	0	736	82	654	525
September	0	636	80	556	620
October	0	596	0	596	620
November	0	545	12	533	474
December	0	615	1	614	512
Total for year	0	9,453	1,527	7,926	7,257

If water is purchased for resale, indicate the following:  
 Vendor N/A  
 Point of delivery N/A

If water is sold to other water utilities for redistribution, 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	175	252,000	Deep Well
Well # 2	500	720,000	Deep Well

### WATER TREATMENT PLANT INFORMATION

Provide a separate sheet for each water treatment facility

Capacity of Plant (GPD):	* 252,000	(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 TREATMENT		
Unit rating (i.e., GPM, pounds per gallon):	N/A	Manufacturer:
FILTRATION		
Type and size of area:		
Pressure (in square feet):	N/A	Manufacturer:
Gravity (in GPM/square feet):	N/A	Manufacturer:

\* 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	127	127
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
<b>Total Residential Water System Meter Equivalents</b>			128	132

**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:  

$$ERC = ( \text{Total SFR gallons sold (Omit 000)} / 365 \text{ days} / 350 \text{ gallons per day} )$$

<b>Calculations: (a)</b>	<b>Average</b>		
<b>SFR Gallons Sold</b>	<b>Customers</b>	<b>Days</b>	<b>ERC</b>
7,257,030	116	365	171

**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	0	0
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 Commercial Water System Meter Equivalents			0	0



**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.	116
2. Maximum number of ERCs * which can be served **	368
3. Present system connection capacity (in ERCs *) using existing lines.	128
4. Future connection capacity (in ERCs *) upon service area buildout	128
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? 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 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 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?	
11. Department of Environmental Protection ID #.	3351205
12. Water Management District Consumptive Use Permit #	2614
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 periodically 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.



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	1
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 Turb	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
<b>Total Residential Wastewater System Meter Equivalents</b>				<b>4</b>

**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 family residence (SFR) gallons sold by the average number of single family residence customers for the same period and divide the results by 365 days.
- (b) If no historical flow data are available, use:

$$ERC = ( \text{Total SFR gallons treated (Omit 000)} / 365 \text{ days} / 275 \text{ gallons per day} )$$

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.

<b>Calculations:</b>	<b>Average</b>			
SFR Gallons Sold	Customers	Days	ERC	
11,086,271	33	365	920	

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	34	34
3/4"	Displacement	1.5	0	0
1"	Displacement	2.5	1	3
1 1/2"	Displacement or Turbine	5.0	2	10
2"	Displacement, Compound or Turb	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
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
<b>Total Commercial Wastewater System Meter Equivalents</b>				<b>63</b>

**TREATMENT PLANT**

Provide a separate sheet for each wastewater treatment facility

Permitted Capacity (gpd)	50,000		
Basis of Permit Capacity (1)	M3MADF		
Manufacturer	DAVCO		
Type (2)	Complete Mix/Extended Aeration		
Hydraulic Capacity (gpd)	50,000		
Average Daily Flow (mgd)	0.032	(Average of Max Month)	
Effluent Disposal (gpd)	50,000		
Total Gallons of WW Treated (mg)	7.712		
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.

**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.	33	
2. Maximum number of ERC's * which can be served.	45	**
** Note: SFR gallons sold is not representative of total ww flow at plant		
3. Present system connection capacity (in ERCs*) using existing lines.	39	
4. Future connection capacity (in ERCs*) upon service area buildout **	53	
5. Estimated annual increase in ERCs*	2	
6. Describe any plans and estimate completion dates for any enlargements or improvements of this system	None	
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	
8. If the utility does not engage in reuse, has a reuse feasibility study been completed?	No	
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 requirement?		
10. When did the company last file a capacity analysis report with the DEP?	April-00	
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 #	FLA010720	

\* An ERC is determined based on the calculation on S-11

\*\* Based on meter equivalency factors for ERCs

**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. (d)	TOTAL WATER PUMPED AND PURCHASED (Omit 000's) (b) + (c)-(d)] (e)	WATER SOLD TO CUSTOMERS (Omit 000's) (f)
January	0	55,686	1,380	54,305	44,642
February	0	57,811	1,372	56,439	45,398
March	0	58,674	1,388	57,286	49,019
April	0	80,375	1,370	79,005	50,138
May	0	98,427	1,404	97,023	64,259
June	0	74,389	3,447	70,941	81,190
July	0	58,523	3,145	55,378	66,877
August	0	72,497	5,284	67,213	48,906
September	0	62,964	3,945	59,019	53,885
October	0	84,862	3,682	81,180	60,023
November	0	72,915	1,385	71,530	92,352
December	0	74,122	1,613	72,509	67,442
Total for year	0	851,245	29,417	821,828	724,130

If water is purchased for resale, indicate the following:

Vendor N/A  
 Point of delivery N/A

If water is sold to other water utilities for redistribution, 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	Spruce Creek CC	2,250	3,240,000	Deep Well
Well #2	Spruce Creek CC	2,250	3,240,000	Deep Well
Well #1	Spruce Creek Preserve	550	792,000	Deep Well
Well #2	Spruce Creek Preserve	550	792,000	Deep Well
Well #3	Spruce Creek Preserve	550	792,000	Deep Well
Well #1	Spruce Creek South	825	1,188,000	Deep Well
Well #2	Spruce Creek South	825	1,188,000	Deep Well
Well #3	Spruce Creek South	1,500	2,160,000	Deep Well





**WATER TREATMENT PLANT INFORMATION**

Provide a separate sheet for each water treatment facility

Capacity of Plant (GPD):	* 5,800,000	(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	
<b>LIME TREATMENT</b>		
Unit rating (i.e., GPM, pounds per gallon):	N/A	Manufacturer:
<b>FILTRATION</b>		
Type and size of area:		
Pressure (in square feet):	N/A	Manufacturer:
Gravity (in GPM/square feet):	N/A	Manufacturer:

\* Wells & Contact Time



**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	3,539	3,539
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	5	40
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	30.0	0	0
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
<b>Total Residential Water System Meter Equivalents</b>			<b>3,548</b>	<b>3,682</b>

**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:  

$$ERC = ( \text{Total SFR gallons sold (Omit 000)} / 365 \text{ days} / 350 \text{ gallons per day} )$$

<b>Calculations: (a)</b>			
SFR Gallons Sold	Average Customers	Days	ERC
596,606,680	3,038	365	538



**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	111	111
3/4"	Displacement	1.5	0	0
1"	Displacement	2.5	5	13
1 1/2"	Displacement or Turbine	5.0	0	0
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	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
<b>Total Commercial Water System Meter Equivalents</b>			121	173



**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.	<u>3,038</u>
2. Maximum number of ERCs * which can be served **	<u>2,695</u>
3. Present system connection capacity (in ERCs *) using existing lines.	<u>3,319</u>
4. Future connection capacity (in ERCs *) upon service area buildout.	<u>5,136</u>
5. Estimated annual increase in ERCs *.	<u>635</u>
6. Is the utility required to have fire flow capacity? #N/A If so, how much capacity is required? <u>4500 gpm</u>	
7. Attach a description of the fire fighting facilities. #N/A	
8. Describe any plans and estimated completion dates for any enlargements or improvements of this system. County Club: Projects completed 2002: Construct two new wells, 500,000 gallon ground storage tank, and high service pumps, convert chlorine gas to liquid sodium hypochlorite at WTP #1. South: Projects completed 2002: Upgrade well pump and new hydrotank.	
9. When did the company last file a capacity analysis report with the DEP?	<u>N/A</u>
10. If the present system does not meet the requirements of the DEP rules:	<u>N/A</u>
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?	
11. Department of Environmental Protection ID #.	<u>3425020, 6424749, 3424826</u>
12. Water Management District Consumptive Use Permit #	<u>82064, 2010476.02, 8282</u>
a. Is the system in compliance with the requirements of the CUP?	<u>Yes,</u>
b. If not, what are the utility's plans to gain compliance? <u>withdrawal quantities are dynamic and may fluctuate beyond permitted quantities during the duration of the permit. Permits are reviewed periodically to ascertain whether modifications need to be filed with the water management district.</u>	<u>It should be noted that</u>

\* 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.





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	2,798	2,798
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	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
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
<b>Total Residential Wastewater System Meter Equivalents</b>				<b>2,814</b>

**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:

$$ERC = ( \text{Total SFR gallons treated (Omit 000)} / 365 \text{ days} / 275 \text{ gallons per day} )$$

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:	SFR Gallons Sold	Average Customers	Days	ERC
	232,802,490	2,336	365	818



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	89	89
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	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
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
<b>Total Commercial Wastewater System Meter Equivalents</b>				<b>105</b>



**TREATMENT PLANT**

Provide a separate sheet for each wastewater treatment facility

Permitted Capacity (gpd)	745,000		
Basis of Permit Capacity (1)	AADF & M3MADF		
Manufacturer	MCNEIL		
Type (2)	Modified Ludzak-Ettinger		
Hydraulic Capacity (gpd)	745,000		
Average Daily Flow (mgd)	0.356	(Average of Max Month)	
Effluent Disposal (gpd)	745,000		
Total Gallons of WW Treated (mg)	97.385		
Method of Effluent Disposal	Golf Courses, spray irrigation, Turf Farm, 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.



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. 2,336

2. Maximum number of ERC's \* which can be served. 2,142 \*\*

\*\* Note: SFR gallons sold is not representative of total wwv flow at plant.

3. Present system connection capacity (in ERCs\*) using existing lines. 3,124

4. Future connection capacity (in ERCs\*) upon service area buildout.\*\* 4,420

5. Estimated annual increase in ERCs\* 454

6. Describe any plans and estimate completion dates for any enlargements or improvements of this system.  
County Club: Project completed 2002: WWTP reuse additions (carryover from 2001).  
Preserve: Projects completed 2002: Expansion of effluent sprayfield.

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

8. If the utility does not engage in reuse, has a reuse feasibility study been completed? \_\_\_\_\_  
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? Mar-01, Jan-01, Jun-99

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 # FLA016971, FLA016867, FLA010

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





Data here (page W-11) is total of both St. Johns Highlands and Hermits Cove

**PUMPING AND PURCHASED WATER STATISTICS**

SYSTEM IS INTERCONNECTED WITH HERMITS COVE

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. (d) *	TOTAL WATER PUMPED AND PURCHASED (Omit 000's) (b)+(c)-(d)] (e)	WATER SOLD TO CUSTOMERS (Omit 000's) (f) *
January	0	14,814	670	14,144	13,167
February	0	13,687	121	13,566	11,363
March	0	14,859	208	14,651	10,792
April	0	18,716	414	18,302	14,461
May	0	21,908	194	21,714	16,340
June	0	15,051	175	14,876	15,595
July	0	14,300	229	14,071	11,395
August	0	17,566	181	17,385	11,388
September	0	16,057	453	15,604	12,750
October	0	21,350	182	21,167	14,413
November	0	19,668	662	19,007	14,925
December	0	21,728	621	21,106	15,707
Total for year	0	209,704	4,111	205,593	162,296

If water is purchased for resale, indicate the following.  
 Vendor N/A  
 Point of delivery N/A

If water is sold to other water utilities for redistribution, 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	1,500	2,160,000	Deep Well
Well #2	1,500	2,160,000	Deep Well

\* Stonecrest was purchased in December 2000, Sold and Other use data not available.

### WATER TREATMENT PLANT INFORMATION

Provide a separate sheet for each water treatment facility

Capacity of Plant (GPD):	* 1,246,000	(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 TREATMENT		
Unit rating (i.e., GPM, pounds per gallon):	N/A	Manufacturer:
FILTRATION		
Type and size of area:		
Pressure (in square feet):	N/A	Manufacturer:
Gravity (in GPM/square feet):	N/A	Manufacturer:

\* Contact Time

**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	874	874
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
<b>Total Residential Water System Meter Equivalents</b>			875	877

**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  

$$ERC = ( \text{Total SFR gallons sold (Omit 000)} / 365 \text{ days} / 350 \text{ gallons per day} )$$

<b>Calculations: (a)</b>		<b>Average</b>		
	<b>SFR Gallons Sold</b>	<b>Customers</b>	<b>Days</b>	<b>ERC</b>
	91,404,206	641	365	391

**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	13	13
3/4"	Displacement	1.5	0	0
1"	Displacement	2.5	13	33
1 1/2"	Displacement or Turbine	5.0	4	20
2"	Displacement, Compound or Turbine	8.0	16	128
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	30.0	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
<b>Total Commercial Water System Meter Equivalents</b>			48	229

**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	641
2. Maximum number of ERCs ** which can be served **	1,595
3. Present system connection capacity (in ERCs *) using existing lines.	893
4. Future connection capacity (in ERCs *) upon service area buildout	2,233
5. Estimated annual increase in ERCs *	66
5. Is the utility required to have fire flow capacity? Yes If so, how much capacity is required?	2130 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 improvements of this system. Projects completed 2002: Install new well and upgrade electrical system. Projects started 2002 and completed 2003: Construct 750,000 gallon ground storage tank and high service pumps.	
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 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?	
11. Department of Environmental Protection ID #	3351282
12. Water Management District Consumptive Use Permit #	71676
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 periodically 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.

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	671	671
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 Turb	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
<b>Total Residential Wastewater System Meter Equivalents</b>				671

**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 family residence (SFR) gallons sold by the average number of single family residence customers for the same period and divide the results by 365 days.
- (b) If no historical flow data are available, use:

$$ERC = ( \text{Total SFR gallons treated (Omit 000)} / 365 \text{ days} / 275 \text{ gallons per day} )$$

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:	SFR Gallons Sold	Average Customers	Days	ERC
	48,696,050	617	365	216

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	3	3
3/4"	Displacement	1.5	0	0
1"	Displacement	2.5	5	13
1 1/2"	Displacement or Turbine	5.0	0	0
2"	Displacement, Compound or Turb	8.0	3	24
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	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
<b>Total Commercial Wastewater System Meter Equivalents</b>				<b>57</b>

**TREATMENT PLANT**

Provide a separate sheet for each wastewater treatment facility

Permitted Capacity (gpd)	150,000		
Basis of Permit Capacity (1)	AADF		
Manufacturer	MCNEIL		
Type (2)	Extended Aeration		
Hydraulic Capacity (gpd)	150,000		
Average Daily Flow (mgd)	0.054	(Average of Max Month)	
Effluent Disposal (gpd)	150,000		
Total Gallons of WW Treated (mg)	17.952		
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.



### 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. 617
2. Maximum number of ERC's \* which can be served. 694 \*\*  
\*\* Note: SFR gallons sold is not representative of total ww flow at plant
3. Present system connection capacity (in ERCs\*) using existing lines. 1,239
4. Future connection capacity (in ERCs\*) upon service area buildout \*\* 2,966
5. Estimated annual increase in ERCs\* 50
6. Describe any plans and estimate completion dates for any enlargements or improvements of this system.  
Projects completed 2002: Design of WWTP modifications.
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
8. If the utility does not engage in reuse, has a reuse feasibility study been completed? No  
  
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 requirement?
10. When did the company last file a capacity analysis report with the DEP? November-98
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 # FLA010741

\* An ERC is determined based on the calculation on S-11

\*\* Based on meter equivalency factors for ERCs



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. (d)	TOTAL WATER PUMPED AND PURCHASED (Omit 000's) (b)+(c)-(d)] (e)	WATER SOLD TO CUSTOMERS (Omit 000's) (f)
January	0	243	1	242	66
February	0	275	80	195	47
March	0	77	5	72	68
April	0	167	13	154	64
May	0	154	3	151	148
June	0	124	6	118	134
July	0	87	0	87	94
August	0	87	2	85	56
September	0	66	0	66	72
October	0	85	2	83	45
November	0	72	3	69	66
December	0	52	3	50	64
Total for year	0	1,487	117	1,370	924

If water is purchased for resale, indicate the following:  
 Vendor N/A  
 Point of delivery N/A

If water is sold to other water utilities for redistribution, 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

### 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	
LIME TREATMENT		
Unit rating (i.e., GPM, pounds per gallon):	N/A	Manufacturer:
FILTRATION		
Type and size of area:		
Pressure (in square feet):	N/A	Manufacturer:
Gravity (in GPM/square feet):	N/A	Manufacturer:

\* 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	11	11
3/4"	Displacement	1.5	0	0
1"	Displacement	2.5	1	3
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
<b>Total Residential Water System Meter Equivalents</b>			13	19

**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:  

$$ERC = ( \text{Total SFR gallons sold (Omit 000)} / 365 \text{ days} / 350 \text{ gallons per day} )$$

Calculations: (a)	SFR Gallons Sold	Average Customers	Days	ERC
	924,060	9	365	281

**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	0	0
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 Commercial Water System Meter Equivalents			0	0

**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.	9
2. Maximum number of ERCs ** which can be served **	128
3. Present system connection capacity (in ERCs *) using existing lines	10
4. Future connection capacity (in ERCs *) upon service area buildout.	12
5. Estimated annual increase in ERCs *	1
6. Is the utility required to have fire flow capacity? If so, how much capacity is required?	No
7. Attach a description of the fire fighting facilities	N/A
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 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?	
11. Department of Environmental Protection ID #	3424897
12. Water Management District Consumptive Use Permit #	2606
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 periodically 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





**UTILITY NAME:** FLORIDA WATER SERVICES CORP.

**YEAR OF REPORT**  
**DECEMBER 31, 2001**

**SYSTEM NAME:** Polk / Sugar Creek

**Sugar Creek Interconnected with Orange Hill**

**(Refer to Orange Hill for Annual Report)**



**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. (d)	TOTAL WATER PUMPED AND PURCHASED (Omit 000's) (b)+(c)-(d)] (e)	WATER SOLD TO CUSTOMERS (Omit 000's) (f)
January	0	3,440	658	2,782	3,043
February	0	3,030	377	2,653	2,951
March	0	3,350	425	2,925	2,984
April	0	3,270	348	2,922	3,319
May	0	2,560	368	2,192	2,878
June	0	2,300	460	1,840	2,263
July	0	3,080	352	2,728	2,054
August	0	2,040	433	1,607	2,288
September	0	0	0	0	Sold System
October	0	0	0	0	0
November	0	0	0	0	0
December	0	0	0	0	0
Total for year	0	23,070	3,421	19,649	21,780

If water is purchased for resale, indicate the following:

Vendor N/A  
 Point of delivery N/A

If water is sold to other water utilities for redistribution, 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	120	172,800	Shallow Well
Well # 2	70	100,800	Shallow Well
Well # 3	70	100,800	Shallow Well
Well # 4	70	100,800	Shallow Well

### WATER TREATMENT PLANT INFORMATION

Provide a separate sheet for each water treatment facility

Capacity of Plant (GPD):	* 302,400	(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, Aeration and Conventional Lime Softing	
LIME TREATMENT		
Unit rating (i.e., GPM, pounds per gallon):	1100 GPM	Manufacturer: INFILCO-DEGREMONT
FILTRATION		
Type and size of area:		
Pressure (in square feet):	N/A	Manufacturer:
Gravity (in GPM/square feet):	6.0 gpm/ft2	Manufacturer: INFILCO-DEGREMONT

\* 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	696	696
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	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
<b>Total Residential Water System Meter Equivalents</b>			698	707

**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  

$$ERC = ( \text{Total SFR gallons sold (Omit 000)} / 365 \text{ days} / 350 \text{ gallons per day} )$$

<b>Calculations: (a)</b>			
<b>SFR Gallons Sold</b>	<b>Average Customers</b>	<b>Days</b>	<b>ERC</b>
18,886,629	678	365	76

**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	13	13
3/4"	Displacement	1.5	0	0
1"	Displacement	2.5	2	5
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	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
<b>Total Commercial Water System Meter Equivalents</b>			18	42

**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.	678
2. Maximum number of ERCs * which can be served **	1,981
3. Present system connection capacity (in ERCs *) using existing lines.	1 307
4. Future connection capacity (in ERCs *) upon service area buildout	1 359
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? 1500 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 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 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?	
11. Department of Environmental Protection ID #.	3641296
12. Water Management District Consumptive Use Permit #	8590
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 periodically 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.

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	681	681
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 Turb	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
<b>Total Residential Wastewater System Meter Equivalents</b>				684

**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 family residence (SFR) gallons sold by the average number of single family residence customers for the same period and divide the results by 365 days.

(b) If no historical flow data are available, use:

$$ERC = ( \text{Total SFR gallons treated (Omit 000)} / 365 \text{ days} / 275 \text{ gallons per day} )$$

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.

<b>Calculations:</b>	<b>Average</b>		
<b>SFR Gallons Sold</b>	<b>Customers</b>	<b>Days</b>	<b>ERC</b>
16,708,701	672	365	68



UTILITY NAME: FLORIDA WATER SERVICES

SYSTEM NAME / COUNTY: SUGAR MILL COUNTRY CLUB / VOLUSIA #1801

YEAR OF REPORT December 31, 2001
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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	6	6
3/4"	Displacement	1.5	0	0
1"	Displacement	2.5	2	5
1 1/2"	Displacement or Turbine	5.0	0	0
2"	Displacement, Compound or Turb	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
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
<b>Total Commercial Wastewater System Meter Equivalents</b>				<b>27</b>

**TREATMENT PLANT**

Provide a separate sheet for each wastewater treatment facility

Permitted Capacity (gpd)	215,000		
Basis of Permit Capacity (1)	AADF		
Manufacturer	MCNEIL		
Type (2)	Contact Stabilization		
Hydraulic Capacity (gpd)	215,000		
Average Daily Flow (mgd)	0.155	(Average of Max Month)	
Effluent Disposal (gpd)	215,000		
Total Gallons of WW Treated (mg)	30.368		
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.

### 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.	672
2. Maximum number of ERC's * which can be served.	2,108 **
** Note. SFR gallons sold is not representative of total ww flow at plant.	
3. Present system connection capacity (in ERCs*) using existing lines.	1,358
4. Future connection capacity (in ERCs*) upon service area buildout.**	1,419
5. Estimated annual increase in ERCs*	Sold System September 2001
6. Describe any plans and estimate completion dates for any enlargements or improvements of this system.	None
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
8. If the utility does not engage in reuse, has a reuse feasibility study been completed?	No
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 requirement?	
10. When did the company last file a capacity analysis report with the DEP?	January-98
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 #	FLA011256-002

\* An ERC is determined based on the calculation on S-11

\*\* Based on meter equivalency factors for ERCs



**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. (d)	TOTAL WATER PUMPED AND PURCHASED (Omit 000's) (b)+(c)-(d)] (e)	WATER SOLD TO CUSTOMERS (Omit 000's) (f)
January	0	5,511	4,202	1,309	1,369
February	0	4,929	3,567	1,362	1,356
March	0	5,401	4,172	1,229	1,307
April	0	5,851	4,096	1,755	1,338
May	0	7,192	4,950	2,242	1,782
June	0	6,763	4,411	2,352	2,276
July	0	7,036	5,691	1,345	1,645
August	0	6,220	4,891	1,329	1,374
September	0	5,327	4,187	1,140	1,287
October	0	6,021	4,447	1,574	1,357
November	0	5,902	4,359	1,543	1,479
December	0	6,272	4,885	1,387	1,489
Total for year	0	72,425	53,858	18,567	18,059

If water is purchased for resale, indicate the following:  
 Vendor N/A  
 Point of delivery N/A

If water is sold to other water utilities for redistribution, 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	300	432,000	Deep Well
Well # 4	350	504,000	Deep Well
Well # 5	200	288,000	Deep Well

**WATER TREATMENT PLANT INFORMATION**  
Provide a separate sheet for each water treatment facility

Capacity of Plant (GPD):	* 1,008,000	(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	
<b>LIME TREATMENT</b>		
Unit rating (i.e., GPM, pounds per gallon):	N/A	Manufacturer:
<b>FILTRATION</b>		
Type and size of area:		
Pressure (in square feet):	N/A	Manufacturer:
Gravity (in GPM/square feet):	N/A	Manufacturer:

\* 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	416	416
3/4"	Displacement	1.5	4	6
1"	Displacement	2.5	18	45
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	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
<b>Total Residential Water System Meter Equivalents</b>			439	497

**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.

$$ERC = ( \text{Total SFR gallons sold (Omit 000)} / 365 \text{ days} / 350 \text{ gallons per day} )$$

<b>Calculations: (a)</b>	<b>Average</b>			
<b>SFR Gallons Sold</b>	<b>Customers</b>	<b>Days</b>	<b>ERC</b>	
17,027,654	410	365	114	

**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	12	12
3/4"	Displacement	1.5	0	0
1"	Displacement	2.5	4	10
1 1/2"	Displacement or Turbine	5.0	2	10
2"	Displacement, Compound or Turbine	8.0	6	48
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	2	60
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 Commercial Water System Meter Equivalents			26	140



**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	410
2. Maximum number of ERCs * which can be served **	2 215
3. Present system connection capacity (in ERCs *) using existing lines.	1 923
4. Future connection capacity (in ERCs *) upon service area buildout.	22,527
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	
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 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 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?	
11. Department of Environmental Protection ID #.	1670647
12. Water Management District Consumptive Use Permit #	S842730
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 periodically 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.

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	180	180
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 Turb	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
<b>Total Residential Wastewater System Meter Equivalents</b>				<b>183</b>

**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 family residence (SFR) gallons sold by the average number of single family residence customers for the same period and divide the results by 365 days.

(b) If no historical flow data are available, use:

$$ERC = ( \text{Total SFR gallons treated (Omit 000)} / 365 \text{ days} / 275 \text{ gallons per day} )$$

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:	SFR Gallons Sold	Average Customers	Days	ERC
	4,912,650	164	365	82

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	6	6
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 Turb	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
<b>Total Commercial Wastewater System Meter Equivalents</b>				<b>6</b>

**TREATMENT PLANT**

Provide a separate sheet for each wastewater treatment facility

Permitted Capacity (gpd)	50,000		
Basis of Permit Capacity (1)	AADF		
Manufacturer	CUSTOM MADE		
Type (2)	Activated Sludge/Contact stabilization		
Hydraulic Capacity (gpd)	50,000		
Average Daily Flow (mgd)	0.014	(Average of Max Month)	
Effluent Disposal (gpd)	50,000		
Total Gallons of WW Treated (mg)	4.706		
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.

**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.	164
2. Maximum number of ERC's * which can be served.	610 **
** Note: SFR gallons sold is not representative of total ww flow at plant.	
3. Present system connection capacity (in ERCs*) using existing lines.	870
4. Future connection capacity (in ERCs*) upon service area buildout.**	3,480
5. Estimated annual increase in ERCs*	1
6. Describe any plans and estimate completion dates for any enlargements or improvements of this system.	None
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
8. If the utility does not engage in reuse, has a reuse feasibility study been completed?	No
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 requirement?	
10. When did the company last file a capacity analysis report with the DEP?	February-01
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 #	APPL/FLA010258-001

\* An ERC is determined based on the calculation on S-11

\*\* Based on meter equivalency factors for ERCs





**WATER TREATMENT PLANT INFORMATION**  
Provide a separate sheet for each water treatment facility

Capacity of Plant (GPD):	* 1,084,000	(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	
LIME TREATMENT		
Unit rating (i.e., GPM, pounds per gallon):	N/A	Manufacturer:
FILTRATION		
Type and size of area:		
Pressure (in square feet):	N/A	Manufacturer:
Gravity (in GPM/square feet):	N/A	Manufacturer:

\* Aerator



**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	0	0
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
<b>Total Residential Water System Meter Equivalents</b>			0	0

**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:  

$$ERC = ( \text{Total SFR gallons sold (Omit 000)} / 365 \text{ days} / 350 \text{ gallons per day} )$$

<b>Calculations: (a)</b>	<b>Average</b>		
SFR Gallons Sold	Customers	Days	ERC
31,463,563	30	365	2,873

**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	5	5
3/4"	Displacement	1.5	0	0
1"	Displacement	2.5	10	25
1 1/2"	Displacement or Turbine	5.0	8	40
2"	Displacement, Compound or Turbine	8.0	21	168
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	0	0
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 Commercial Water System Meter Equivalents			48	353

**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.	30
2. Maximum number of ERCs * which can be served **	189
3. Present system connection capacity (in ERCs *) using existing lines.	671
4. Future connection capacity (in ERCs *) upon service area buildout.	1,275
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? 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 improvements of this system Projects completed 2002: Distribution system improvements.	
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 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?	
11. Department of Environmental Protection ID #.	3350691
12. Water Management District Consumptive Use Permit #	2550
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 periodically 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.

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	0	0
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 Turb	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
<b>Total Residential Wastewater System Meter Equivalents</b>				0

**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 family residence (SFR) gallons sold by the average number of single family residence customers for the same period and divide the results by 365 days.

(b) If no historical flow data are available, use:

$$ERC = ( \text{Total SFR gallons treated (Omit 000)} / 365 \text{ days} / 275 \text{ gallons per day} )$$

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:	SFR Gallons Sold	Average Customers	Days	ERC
	14,800,813	24	365	1,690
* This system only has commercial customers				

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	4	4
3/4"	Displacement	1.5	0	0
1"	Displacement	2.5	8	20
1 1/2"	Displacement or Turbine	5.0	5	25
2"	Displacement, Compound or Turb	8.0	5	40
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	0
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
<b>Total Commercial Wastewater System Meter Equivalents</b>				<b>222</b>

**TREATMENT PLANT**

Provide a separate sheet for each wastewater treatment facility

Permitted Capacity (gpd)	213,000		
Basis of Permit Capacity (1)	AADF		
Manufacturer	Davco		
Type (2)	Oxidation Ditch		
Hydraulic Capacity (gpd)	213,000		
Average Daily Flow (mgd)	0.072	(Average of Max Month)	
Effluent Disposal (gpd)	150,000		
Total Gallons of WW Treated (mg)	23,535		
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.

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.	24
2. Maximum number of ERC's * which can be served.	89 **
** Note: SFR gallons sold is not representative of total ww flow at plant	
3. Present system connection capacity (in ERCs*) using existing lines.	54
4. Future connection capacity (in ERCs*) upon service area buildout.**	1,084
5. Estimated annual increase in ERCs*	0
6. Describe any plans and estimate completion dates for any enlargements or improvements of this system. Projects completed 2002: Upsize pumps in lift station # 44, rehabilitate WWTP lift station #1.	
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
8. If the utility does not engage in reuse, has a reuse feasibility study been completed?	
	No
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 requirement?	
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
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 #	FLA010656-002

\* An ERC is determined based on the calculation on S-11

\*\* Based on meter equivalency factors for ERCs





**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. (d)	TOTAL WATER PUMPED AND PURCHASED (Omit 000's) (b)+(c)-(d)] (e)	WATER SOLD TO CUSTOMERS (Omit 000's) (f)
January	0	3,287	749	2,538	2,283
February	0	2,961	740	2,221	2,203
March	0	3,058	905	2,153	2,018
April	0	3,911	1,322	2,589	2,453
May	0	4,852	466	4,386	3,877
June	0	2,790	588	2,202	2,347
July	0	2,579	421	2,158	1,760
August	0	2,805	405	2,400	1,722
September	0	2,554	461	2,093	2,086
October	0	3,056	25	3,031	1,855
November	0	2,982	1,425	1,557	1,992
December	0	3,830	2,457	1,373	2,146
Total for year	0	38,665	9,965	28,700	26,742

If water is purchased for resale, indicate the following:

Vendor N/A  
 Point of delivery N/A

If water is sold to other water utilities for redistribution, 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	325	468,000	Deep Well
Well #2	250	360,000	Deep Well

**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	
<b>LIME TREATMENT</b>		
Unit rating (i.e., GPM, pounds per gallon):	N/A	Manufacturer:
<b>FILTRATION</b>		
Type and size of area:		
Pressure (in square feet):	N/A	Manufacturer:
Gravity (in GPM/square feet):	N/A	Manufacturer:

\* 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	247	247
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	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
<b>Total Residential Water System Meter Equivalents</b>			254	265

**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:  

$$ERC = ( \text{Total SFR gallons sold (Omit 000)} / 365 \text{ days} / 350 \text{ gallons per day} )$$

<b>Calculations: (a)</b>	<b>Average</b>		
<b>SFR Gallons Sold</b>	<b>Customers</b>	<b>Days</b>	<b>ERC</b>
20,461,365	224	365	274

**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	4	4
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 Commercial Water System Meter Equivalents			5	7

**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.	224
2. Maximum number of ERCs * which can be served **	328
3. Present system connection capacity (in ERCs *) using existing lines.	298
4. Future connection capacity (in ERCs *) upon service area buildout.	9,919
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.	N/A
8. Describe any plans and estimated completion dates for any enlargements or improvements of this system. Projected completed 2002: Distribution system improvements.	
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 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?	
11. Department of Environmental Protection ID #.	3481329
12. Water Management District Consumptive Use Permit #	51073
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 periodically 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.



**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. (d)	TOTAL WATER PUMPED AND PURCHASED (Omit 000's) (b)+(c)-(d)] (e)	WATER SOLD TO CUSTOMERS (Omit 000's) (f)
January	0	1,955	26	1,929	1,893
February	0	1,825	0	1,825	1,891
March	0	2,030	0	2,030	1,859
April	0	2,302	0	2,302	2,346
May	0	2,535	79	2,456	2,232
June	0	1,931	99	1,832	2,085
July	0	1,940	41	1,899	1,839
August	0	2,133	40	2,093	1,850
September	0	1,791	54	1,736	1,950
October	0	1,951	65	1,885	1,918
November	0	1,926	95	1,831	1,628
December	0	1,997	136	1,861	1,746
Total for year	0	24,315	636	23,679	23,236

If water is purchased for resale, indicate the following:  
 Vendor N/A  
 Point of delivery N/A

If water is sold to other water utilities for redistribution, 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	Tomoka View	200	288,000	Deep Well
Well # 2	Tomoka View	100	144,000	Deep Well
Well # 1	Twin Rivers	125	180,000	Deep Well

**WATER TREATMENT PLANT INFORMATION**  
Provide a separate sheet for each water treatment facility

Capacity of Plant (GPD):	TR* 180,000 TV* 144,000	(Max Day Capacity) (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	
<b>LIME TREATMENT</b>		
Unit rating (i.e., GPM, pounds per gallon):	N/A	Manufacturer:
<b>FILTRATION</b>		
Type and size of area:		
Pressure (in square feet):	N/A	Manufacturer:
Gravity (in GPM/square feet):	N/A	Manufacturer:

\* 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	265	265
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
<b>Total Residential Water System Meter Equivalents</b>			265	265

**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  

$$ERC = ( \text{Total SFR gallons sold (Omit 000)} / 365 \text{ days} / 350 \text{ gallons per day} )$$

<b>Calculations: (a)</b>	<b>Average</b>		
<b>SFR Gallons Sold</b>	<b>Customers</b>	<b>Days</b>	<b>ERC</b>
22,999,224	266	365	237

**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	3
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
<b>Total Commercial Water System Meter Equivalents</b>			4	11

**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.	266
2. Maximum number of ERCs * which can be served **	684
3. Present system connection capacity (in ERCs *) using existing lines.	266
4. Future connection capacity (in ERCs *) upon service area buildout.	266
5. Estimated annual increase in ERCs *	2
6. Is the utility required to have fire flow capacity? if so, how much capacity is required?	No
7. Attach a description of the fire fighting facilities.	N/A
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 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?	
11. Department of Environmental Protection ID #.	3641373
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?	

\* 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.



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	270	270
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 Turb	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
<b>Total Residential Wastewater System Meter Equivalents</b>				270

**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 family residence (SFR) gallons sold by the average number of single family residence customers for the same period and divide the results by 365 days.
- (b) If no historical flow data are available, use:

$$ERC = ( \text{Total SFR gallons treated (Omit 000)} / 365 \text{ days} / 275 \text{ gallons per day} )$$

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.

<b>Calculations:</b>	<b>Average</b>		
SFR Gallons Sold	Customers	Days	ERC
**	**	365	**

\*\* Tropical Isle is wastewater only no reading are available.

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	0	0
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
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
<b>Total Commercial Wastewater System Meter Equivalents</b>				0

\*\* Tropical Isle is wastewater only no reading are available.

UTILITY NAME: FLORIDA WATER SERVICES  
SYSTEM NAME / COUNTY: TROPICAL ISLE / ST. LUCIE #2101

YEAR OF REPORT  
December 31, 2001

**TREATMENT PLANT**

Provide a separate sheet for each wastewater treatment facility

Permitted Capacity (gpd)	50,000		
Basis of Permit Capacity (1)	M3MADF		
Manufacturer	MCNEIL		
Type (2)	Extended Aeration		
Hydraulic Capacity (gpd)	50,000		
Average Daily Flow (mgd)	0.030	(Average of Max Month)	
Effluent Disposal (gpd)	50,000		
Total Gallons of WW Treated (mg)	4,741		
Method of Effluent Disposal	Drainfield		

- (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 separate page should be supplied where necessary.

1. Present number of ERC's \* now being served. Unmetered
2. Maximum number of ERC's \* which can be served. N/A      \*\*  
\*\* Note. SFR gallons sold is not representative of total ww flow at plant.
3. Present system connection capacity (in ERCs\*) using existing lines. Sold System
4. Future connection capacity (in ERCs\*) upon service area buildout.\*\* Sold Sytem
5. Estimated annual increase in ERCs\* Sold System July 2001
6. Describe any plans and estimate completion dates for any enlargements or improvements of this system.  
SOLD!!!
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
8. If the utility does not engage in reuse, has a reuse feasibility study been completed? No  
  
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 requirement?
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
  - 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 # FLA013990-001

\* An ERC is determined based on the calculation on S-11

\*\* Based on meter equivalency factors for ERCs



**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. (d)	TOTAL WATER PUMPED AND PURCHASED (Omit 000's) (b)+(c)-(d)] (e)	WATER SOLD TO CUSTOMERS (Omit 000's) (f)
January	0	3,004	11	2,993	2,879
February	0	3,034	119	2,914	2,805
March	0	3,314	128	3,187	2,953
April	0	3,505	118	3,387	3,236
May	0	3,606	138	3,468	3,054
June	0	3,141	116	3,025	3,214
July	0	3,019	125	2,893	2,956
August	92	2,822	97	2,817	2,617
September	79	2,679	100	2,659	3,112
October	0	2,858	17	2,841	2,699
November	0	2,779	0	2,779	2,646
December	0	2,949	0	2,949	2,796
Total for year	171	36,710	968	35,913	34,966

If water is purchased for resale, indicate the following:  
 Vendor City of Kissimmee  
 Point of delivery 4 inch Rockwell meter

If water is sold to other water utilities for redistribution, 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		350	504,000	Deep Well
Well # 2	Backup	100	144,000	Deep Well

### 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 TREATMENT		
Unit rating (i.e., GPM, pounds per gallon):	N/A	Manufacturer:
FILTRATION		
Type and size of area:		
Pressure (in square feet):	N/A	Manufacturer:
Gravity (in GPM/square feet):	N/A	Manufacturer:

\* 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	563	563
3/4"	Displacement	1.5	2	3
1"	Displacement	2.5	2	5
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
<b>Total Residential Water System Meter Equivalents</b>			568	579

**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  

$$ERC = ( \text{Total SFR gallons sold (Omit 000)} / 365 \text{ days} / 350 \text{ gallons per day} )$$

Calculations: (a)	Average		
SFR Gallons Sold	Customers	Days	ERC
34,166,532	543	365	172

**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	12	12
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
<b>Total Commercial Water System Meter Equivalents</b>			12	12

**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.	543
2. Maximum number of ERCs * which can be served **	N/A - Interconnected
3. Present system connection capacity (in ERCs *) using existing lines.	599
4. Future connection capacity (in ERCs *) upon service area buildout	599
5. Estimated annual increase in ERCs *.	2
6. Is the utility required to have fire flow capacity? If so, how much capacity is required?	No
7. Attach a description of the fire fighting facilities.	N/A
8. Describe any plans and estimated completion dates for any enlargements or improvements of this system Projects completed 2002: Distribution system improvements.	
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 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?	
11. Department of Environmental Protection ID #.	3491958
12. Water Management District Consumptive Use Permit #	49-00290-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 periodically 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.





**WATER TREATMENT PLANT INFORMATION**  
Provide a separate sheet for each water treatment facility

Capacity of Plant (GPD):	* 504,000	(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	
<b>LIME TREATMENT</b>		
Unit rating (i.e., GPM, pounds per gallon):	N/A	Manufacturer:
<b>FILTRATION</b>		
Type and size of area:		
Pressure (in square feet):	N/A	Manufacturer:
Gravity (in GPM/square feet):	N/A	Manufacturer:

\* 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	335	335
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
<b>Total Residential Water System Meter Equivalents</b>			335	335

**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.

$$ERC = ( \text{Total SFR gallons sold (Omit 000)} / 365 \text{ days} / 350 \text{ gallons per day} )$$

<b>Calculations: (a)</b>	<b>Average</b>			
<b>SFR Gallons Sold</b>	<b>Customers</b>	<b>Days</b>	<b>ERC</b>	
22,187,863	328	365	185	

**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	4	4
3/4"	Displacement	1.5	0	0
1"	Displacement	2.5	6	15
1 1/2"	Displacement or Turbine	5.0	4	20
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 Commercial Water System Meter Equivalents			18	71

**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	328
2. Maximum number of ERCs * which can be served **	680
3. Present system connection capacity (in ERCs *) using existing lines	328
4. Future connection capacity (in ERCs *) upon service area buildout.	328
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? 750 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 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 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?	
11. Department of Environmental Protection ID #.	3351421
12. Water Management District Consumptive Use Permit #	2632
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 periodically 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.

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	334	334
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 Turb	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
<b>Total Residential Wastewater System Meter Equivalents</b>				<b>334</b>

**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 family residence (SFR) gallons sold by the average number of single family residence customers for the same period and divide the results by 365 days.

(b) If no historical flow data are available, use:

$$ERC = ( \text{Total SFR gallons treated (Omit 000)} / 365 \text{ days} / 275 \text{ gallons per day} )$$

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:	SFR Gallons Sold	Average Customers	Days	ERC
	12,765,276	327	365	107

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	3	3
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 Turb	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
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
<b>Total Commercial Wastewater System Meter Equivalents</b>				<b>42</b>

**TREATMENT PLANT**

Provide a separate sheet for each wastewater treatment facility

Permitted Capacity (gpd)	80,000		
Basis of Permit Capacity (1)	AADF		
Manufacturer	DEFIANCE		
Type (2)	Extended Aeration		
Hydraulic Capacity (gpd)	80,000		
Average Daily Flow (mgd)	0.053	(Average of Max Month)	
Effluent Disposal (gpd)	80,000		
Total Gallons of WW Treated (mg)	10.024		
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.

**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.	327
2. Maximum number of ERC's * which can be served.	748 **
** Note. SFR gallons sold is not representative of total ww flow at plant	
3. Present system connection capacity (in ERCs*) using existing lines.	333
4. Future connection capacity (in ERCs*) upon service area buildout.**	333
5. Estimated annual increase in ERCs*	0
6. Describe any plans and estimate completion dates for any enlargements or improvements of this system.	None
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
8. If the utility does not engage in reuse, has a reuse feasibility study been completed?	No
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 requirement?	
10. When did the company last file a capacity analysis report with the DEP?	April-01
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 #	FLA010599

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





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. (d)	TOTAL WATER PUMPED AND PURCHASED (Omit 000's) (b)+(c)-(d)] (e)	WATER SOLD TO CUSTOMERS (Omit 000's) (f)
January	0	901	2	898	748
February	0	786	19	768	704
March	0	856	1	855	848
April	0	1,001	239	762	706
May	0	1,154	81	1,072	995
June	0	890	4	886	959
July	0	803	11	792	778
August	0	867	3	864	611
September	0	825	1	825	704
October	0	1,433	731	702	612
November	0	1,475	824	651	803
December	0	1,534	719	814	710
Total for year	0	12,524	2,635	9,889	9,178

If water is purchased for resale, indicate the following:

Vendor N/A  
 Point of delivery N/A

If water is sold to other water utilities for redistribution, 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	240	345,600	Deep Well
Well #2	100	144,000	Deep Well

### 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 TREATMENT		
Unit rating (i.e., GPM, pounds per gallon):	N/A	Manufacturer:
FILTRATION		
Type and size of area:		
Pressure (in square feet):	N/A	Manufacturer:
Gravity (in GPM/square feet):	N/A	Manufacturer:

\* 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	147	147
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
<b>Total Residential Water System Meter Equivalents</b>			148	150

**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:  

$$ERC = ( \text{Total SFR gallons sold (Omit 000)} / 365 \text{ days} / 350 \text{ gallons per day} )$$

<b>Calculations: (a)</b>	<b>Average</b>			
<b>SFR Gallons Sold</b>	<b>Customers</b>	<b>Days</b>	<b>ERC</b>	
9,005,995	143	365	173	

**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	2	2
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 Commercial Water System Meter Equivalents			2	2

**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.	143
2. Maximum number of ERCs * which can be served **	209
3. Present system connection capacity (in ERCs *) using existing lines.	168
4. Future connection capacity (in ERCs *) upon service area buildout	208
5. Estimated annual increase in ERCs *.	0
6. Is the utility required to have fire flow capacity? If so, how much capacity is required?	No
7. Attach a description of the fire fighting facilities.	N/A
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 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?	
11. Department of Environmental Protection ID #.	3351426
12. Water Management District Consumptive Use Permit #	2608
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 periodically 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.

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	94	94
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 Turb	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
<b>Total Residential Wastewater System Meter Equivalents</b>				<b>94</b>

**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 family residence (SFR) gallons sold by the average number of single family residence customers for the same period and divide the results by 365 days.
- (b) If no historical flow data are available, use:

$$ERC = ( \text{Total SFR gallons treated (Omit 000)} / 365 \text{ days} / 275 \text{ gallons per day} )$$

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:	SFR Gallons Sold	Average Customers	Days	ERC
	4,463,786	90	365	136

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	0	0
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 Turb	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
<b>Total Commercial Wastewater System Meter Equivalents</b>				<b>0</b>

**TREATMENT PLANT**

Provide a separate sheet for each wastewater treatment facility

Permitted Capacity (gpd)	36,000		
Basis of Permit Capacity (1)	AADF		
Manufacturer	MARLOF		
Type (2)	Extended Aeration		
Hydraulic Capacity (gpd)	36,000		
Average Daily Flow (mgd)	0.021	(Average of Max Month)	
Effluent Disposal (gpd)	36,000		
Total Gallons of WW Treated (mg)	6.135		
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.



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. 90
2. Maximum number of ERC's \* which can be served. 265 \*\*  
\*\* Note: SFR gallons sold is not representative of total ww flow at plant.
3. Present system connection capacity (in ERCs\*) using existing lines. 100
4. Future connection capacity (in ERCs\*) upon service area buildout.\*\* 100
5. Estimated annual increase in ERCs\* 0
6. Describe any plans and estimate completion dates for any enlargements or improvements of this system.  
Projects completed 2002: Repair leaks in WWTP walls.
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
8. If the utility does not engage in reuse, has a reuse feasibility study been completed? No  
  
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 requirement?
10. When did the company last file a capacity analysis report with the DEP? September-99
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 # FLA010567

\* An ERC is determined based on the calculation on S-11

\*\* Based on meter equivalency factors for ERCs



UTILITY NAME: FLORIDA WATER SERVICES

SYSTEM NAME / COUNTY: WELAKA #447

& SARATOGA HARBOUR #448 / PUTNAM

YEAR OF REPORT December 31, 2001
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**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. (d)	TOTAL WATER PUMPED AND PURCHASED (Omit 000's) (b) + (c)-(d)] (e)	WATER SOLD TO CUSTOMERS (Omit 000's) (f)
January	0	736	6	730	449
February	0	643	0	643	356
March	0	744	0	744	449
April	0	1,057	326	732	425
May	0	740	7	733	460
June	0	583	7	576	470
July	0	602	4	599	431
August	0	633	9	624	415
September	0	578	9	569	430
October	0	627	7	620	426
November	0	584	4	581	440
December	0	618	12	606	409
Total for year	0	8,145	389	7,755	5,160

If water is purchased for resale, indicate the following:  
 Vendor N/A  
 Point of delivery N/A

If water is sold to other water utilities for redistribution, 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	Welaka	76	109,440	Deep Well
Well #1	Saratoga Harbour	110	158,400	Deep Well



UTILITY NAME: FLORIDA WATER SERVICES  
SYSTEM NAME / COUNTY: WELAKA #447  
& SARATOGA HARBOUR #448 / PUTNAM

YEAR OF REPORT  
December 31, 2001

### WATER TREATMENT PLANT INFORMATION

Provide a separate sheet for each water treatment facility

Capacity of Plant (GPD):	* 109,440	(Reliable Max Day)
Location of measurement (i.e. WellHead, Storage Tank):	WellHead and/or Distribution	
Type of treatment (reverse osmosis, sedimentation, chemical, aerated, etc.):	Chlorination	
<b>LIME TREATMENT</b>		
Unit rating (i.e., GPM, pounds per gallon):	N/A	Manufacturer:
<b>FILTRATION</b>		
Type and size of area:		
Pressure (in square feet):	N/A	Manufacturer:
Gravity (in GPM/square feet):	N/A	Manufacturer:

\* 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	153	153
3/4"	Displacement	1.5	1	2
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
<b>Total Residential Water System Meter Equivalents</b>			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:  

$$ERC = ( \text{Total SFR gallons sold (Omit 000)} / 365 \text{ days} / 350 \text{ gallons per day} )$$

<b>Calculations: (a)</b>			
SFR Gallons Sold	Average Customers	Days	ERC
3,184,903	94	365	93





**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	1
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
<b>Total Commercial Water System Meter Equivalents</b>			1	1



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.	139
2. Maximum number of ERCs * which can be served **	589
3. Present system connection capacity (in ERCs *) using existing lines.	143
4. Future connection capacity (in ERCs *) upon service area buildout.	151
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.	N/A
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 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?	
11. Department of Environmental Protection ID #.	2541242, 2541008
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?	

\* 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 CORP.**

**YEAR OF REPORT  
DECEMBER 31, 2001**

**SYSTEM NAME: Lake / Western Shores**

**Western Shores Interconnected with Silver Lake Estates**

**(Refer to Silver Lake Estates for Annual Report)**



**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. (d)	TOTAL WATER PUMPED AND PURCHASED (Omit 000's) (b)+(c)-(d) (e)	WATER SOLD TO CUSTOMERS (Omit 000's) (f)
January	0	642	0	642	685
February	1	657	0	658	637
March	0	654	0	654	713
April	0	655	0	655	706
May	0	753	3	750	699
June	1	640	2	638	758
July	0	544	0	544	668
August	0	583	0	583	587
September	0	537	0	537	711
October	0	600	0	600	849
November	0	557	0	557	556
December	432	628	0	1,061	660
Total for year	434	7,449	5	7,878	8,229

If water is purchased for resale, indicate the following:  
 Vendor Kissimmee Utility Water Authority  
 Point of delivery 4 inch compound meter @ 1200 Windway Circle

If water is sold to other water utilities for redistribution, 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	180	259,200	Deep Well

**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 Distribution	
Type of treatment (reverse osmosis, sedimentation, chemical, aerated, etc.):	Chlorination	
<b>LIME TREATMENT</b>		
Unit rating (i.e., GPM, pounds per gallon):	N/A	Manufacturer:
<b>FILTRATION</b>		
Type and size of area:		
Pressure (in square feet):	N/A	Manufacturer:
Gravity (in GPM/square feet):	N/A	Manufacturer:

\* Well  
\* Emergency interconnect with Kissimmee Utility Authority



**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	101	101
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
<b>Total Residential Water System Meter Equivalents</b>			102	104

**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:  
 $ERC = ( \text{Total SFR gallons sold (Omit 000)} / 365 \text{ days} / 350 \text{ gallons per day} )$

<b>Calculations: (a)</b>			
<b>SFR Gallons Sold</b>	<b>Average Customers</b>	<b>Days</b>	<b>ERC</b>
8,228,624	97	365	232

**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	8	8
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 Commercial Water System Meter Equivalents			8	8

**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.	97
2. Maximum number of ERCs * which can be served **	279
3. Present system connection capacity (in ERCs *) using existing lines.	97
4. Future connection capacity (in ERCs *) upon service area buildout.	97
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.	N/A
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 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?	
11. Department of Environmental Protection ID #.	3494291
12. Water Management District Consumptive Use Permit #	84199W
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 periodically 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.



**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. (d)	TOTAL WATER PUMPED AND PURCHASED (Omit 000's) (b)+(c)-(d)] (e)	WATER SOLD TO CUSTOMERS (Omit 000's) (f)
January	0	17,634	326	17,308	15,511
February	0	16,291	281	16,010	17,761
March	0	18,028	328	17,699	18,828
April	0	25,377	351	25,026	17,079
May	0	28,920	298	28,622	25,113
June	0	22,257	281	21,976	28,914
July	0	24,406	328	24,077	19,355
August	0	25,333	524	24,809	21,833
September	0	20,107	374	19,733	23,111
October	0	25,675	388	25,287	15,979
November	0	21,982	342	21,640	23,563
December	0	20,932	341	20,591	20,513
Total for year	0	266,941	4,162	262,778	247,652

If water is purchased for resale, indicate the following:

Vendor N/A  
 Point of delivery N/A

If water is sold to other water utilities for redistribution, 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	1,000	1,440,000	Deep Well
Well #2	2,000	2,880,000	Deep Well

### WATER TREATMENT PLANT INFORMATION

Provide a separate sheet for each water treatment facility

Capacity of Plant (GPD):	* 2,880,000	(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		
Unit rating (i.e., GPM, pounds per gallon):	N/A	Manufacturer:
FILTRATION		
Type and size of area:		
Pressure (in square feet):	N/A	Manufacturer:
Gravity (in GPM/square feet):	N/A	Manufacturer:

\* 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	1,467	1,467
3/4"	Displacement	1.5	111	167
1"	Displacement	2.5	16	40
1 1/2"	Displacement or Turbine	5.0	17	85
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	5	313
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
<b>Total Residential Water System Meter Equivalents</b>			<b>1,616</b>	<b>2,071</b>

**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  

$$ERC = ( \text{Total SFR gallons sold (Omit 000)} / 365 \text{ days} / 350 \text{ gallons per day} )$$

Calculations: (a)		Average	Days	ERC
SFR Gallons Sold	Customers			
198,520,567	1,489		365	365

**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	12	12
3/4"	Displacement	1.5	1	2
1"	Displacement	2.5	3	8
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	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
<b>Total Commercial Water System Meter Equivalents</b>			20	162



**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.	1,489
2. Maximum number of ERCs * which can be served **	1,971
3. Present system connection capacity (in ERCs *) using existing lines.	1,934
4. Future connection capacity (in ERCs *) upon service area buildout.	1,934
5. Estimated annual increase in ERCs *.	65
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
8. Describe any plans and estimated completion dates for any enlargements or improvements of this system. Projects completed 2002: Upgrade high service pumps and electrical 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 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?	
11. Department of Environmental Protection ID #.	2161278
12. Water Management District Consumptive Use Permit #	47
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 periodically 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.

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	1,404	1,404
3/4"	Displacement	1.5	109	164
1"	Displacement	2.5	9	23
1 1/2"	Displacement or Turbine	5.0	15	75
2"	Displacement, Compound or Turb	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	5	313
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
<b>Total Residential Wastewater System Meter Equivalents</b>				<b>1,978</b>

**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 family residence (SFR) gallons sold by the average number of single family residence customers for the same period and divide the results by 365 days.

(b) If no historical flow data are available, use:

$$ERC = ( \text{Total SFR gallons treated (Omit 000)} / 365 \text{ days} / 275 \text{ gallons per day} )$$

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:	SFR Gallons Sold	Average Customers	Days	ERC
	85,874,367	1,438	365	164

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	1
3/4"	Displacement	1.5	0	0
1"	Displacement	2.5	3	8
1 1/2"	Displacement or Turbine	5.0	0	0
2"	Displacement, Compound or Turb	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	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
<b>Total Commercial Wastewater System Meter Equivalents</b>				<b>134</b>

**TREATMENT PLANT**

Provide a separate sheet for each wastewater treatment facility

Permitted Capacity (gpd)	500,000		
Basis of Permit Capacity (1)	AADF		
Manufacturer	DAVCO		
Type (2)	Conventional Activated Sludge		
Hydraulic Capacity (gpd)	500,000		
Average Daily Flow (mgd)	0.534	(Average of Max Month)	
Effluent Disposal (gpd)	500,000		
Total Gallons of WW Treated (mg)	152.111		
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.

### 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.	1,438
2. Maximum number of ERC's * which can be served.	3,049 **
** Note: SFR gallons sold is not representative of total ww flow at plant	
3. Present system connection capacity (in ERCs*) using existing lines.	1,771
4. Future connection capacity (in ERCs*) upon service area buildout.**	1,771
5. Estimated annual increase in ERCs*	74
6. Describe any plans and estimate completion dates for any enlargements or improvements of this system. Projects completed in 2002: collection system 12/31/02 Project started 2002 and completed 2003: Expand WWTP to 0.7 MGD: LS#8 rehab and force main rehabilitation	
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
8. If the utility does not engage in reuse, has a reuse feasibility study been completed?	Yes
If so, when? January, 2002	
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 requirement?	
10. When did the company last file a capacity analysis report with the DEP?	May-01
11. If the present system does not meet the requirements of DEP rules:	
a. Attach a description of the plant upgrade necessary to meet the DEP rules.	N/A
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 #	FL0026786

\* An ERC is determined based on the calculation on S-11

\*\* Based on meter equivalency factors for ERCs



**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. (d)	TOTAL WATER PUMPED AND PURCHASED (Omit 000's) (b)+(c)-(d)] (e)	WATER SOLD TO CUSTOMERS (Omit 000's) (f)
January	0	95	0	95	72
February	0	61	0	61	44
March	0	73	0	73	46
April	0	110	30	81	69
May	0	83	6	77	54
June	0	90	15	75	59
July	0	98	4	94	61
August	0	65	4	62	46
September	0	85	2	84	54
October	0	87	2	85	46
November	0	66	4	63	47
December	0	62	0	62	48
Total for year	0	976	64	912	645

If water is purchased for resale, indicate the following:  
 Vendor N/A  
 Point of delivery N/A

If water is sold to other water utilities for redistribution, 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 #2	25	36,000	Deep Well

**WATER TREATMENT PLANT INFORMATION**

Provide a separate sheet for each water treatment facility

<b>Capacity of Plant (GPD):</b>	* 36,000	(Peak Hour)
<b>Location of measurement (i.e. WellHead, Storage Tank):</b>	WellHead and/or Distribution	
<b>Type of treatment (reverse osmosis, (sedimentation, chemical, aerated, etc.):</b>	Chlorination	
<b>LIME TREATMENT</b>		
<b>Unit rating (i.e., GPM, pounds per gallon):</b>	N/A	<b>Manufacturer:</b>
<b>FILTRATION</b>		
<b>Type and size of area:</b>		
<b>Pressure (in square feet):</b>	N/A	<b>Manufacturer:</b>
<b>Gravity (in GPM/square feet):</b>	N/A	<b>Manufacturer:</b>

\* 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	30	30
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
<b>Total Residential Water System Meter Equivalents</b>			30	30

**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:  

$$ERC = ( \text{Total SFR gallons sold (Omit 000)} / 365 \text{ days} / 350 \text{ gallons per day} )$$

<b>Calculations: (a)</b>				
	<b>SFR Gallons Sold</b>	<b>Average Customers</b>	<b>Days</b>	<b>ERC</b>
	645,190	23	365	77

**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	0	0
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
<b>Total Commercial Water System Meter Equivalents</b>			0	0

**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.	23
2. Maximum number of ERCs * which can be served **	117
3. Present system connection capacity (in ERCs *) using existing lines.	47
4. Future connection capacity (in ERCs *) upon service area buildout.	54
5. Estimated annual increase in ERCs *.	0
6. Is the utility required to have fire flow capacity? If so, how much capacity is required?	No
7. Attach a description of the fire fighting facilities	N/A
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 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?	
11. Department of Environmental Protection ID #.	2541280
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?	

\* 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 (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. (d)	TOTAL WATER PUMPED AND PURCHASED (Omit 000's) (b)+(c)-(d)] (e)	WATER SOLD TO CUSTOMERS (Omit 000's) (f)
January	73	1 888	48	1 913	914
February	42	1 843	639	1 246	914
March	0	924	23	901	1 112
April	0	804	18	786	857
May	1	651	21	631	679
June	0	377	25	352	542
July	0	308	21	287	419
August	0	361	40	321	407
September	0	472	24	448	472
October	0	587	24	562	509
November	0	809	28	782	709
December	0	1 051	39	1 012	709
Total for year	116	10 074	948	9 242	8 524

If water is purchased for resale, indicate the following.  
 Vendor Pasco County Utilities  
 Point of delivery 8 inch Rockwell meter @ entrance to American Condominium MHP

If water is sold to other water utilities for redistribution 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 #2	120	172,800	Deep Well

**WATER TREATMENT PLANT INFORMATION**

Provide a separate sheet for each water treatment facility

Capacity of Plant (GPD):	* 172,800	(Peak Hour)
Location of measurement (i.e. WellHead, Storage Tank):	WellHead and/or Distribution	
Type of treatment (reverse osmosis, (sedimentation, chemical, aerated, etc.):	Chlorination	
<b>LIME TREATMENT</b>		
Unit rating (i.e., GPM, pounds per gallon):	N/A	Manufacturer:
<b>FILTRATION</b>		
Type and size of area:		
Pressure (in square feet):	N/A	Manufacturer:
Gravity (in GPM/square feet):	N/A	Manufacturer:

\* 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	593	593
3/4"	Displacement	1.5	0	0
1"	Displacement	2.5	1	3
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
<b>Total Residential Water System Meter Equivalents</b>			595	601

**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.  
 $ERC = ( \text{Total SFR gallons sold (Omit 000)} / 365 \text{ days} / 350 \text{ gallons per day} )$

<b>Calculations: (a)</b>	<b>Average</b>		
SFR Gallons Sold	Customers	Days	ERC
7,701,415	477	365	44

**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	3
3/4"	Displacement	1.5	0	0
1"	Displacement	2.5	1	3
1 1/2"	Displacement or Turbine	5.0	1	5
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
<b>Total Commercial Water System Meter Equivalents</b>			<b>7</b>	<b>27</b>



**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.	477
2. Maximum number of ERCs * which can be served **	977
3. Present system connection capacity (in ERCs *) using existing lines.	477
4. Future connection capacity (in ERCs *) upon service area buildout.	477
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
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 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?	
11. Department of Environmental Protection ID #.	3512018
12. Water Management District Consumptive Use Permit #	2011082.00
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 periodically 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.

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	591	591
3/4"	Displacement	1.5	0	0
1"	Displacement	2.5	1	3
1 1/2"	Displacement or Turbine	5.0	1	5
2"	Displacement, Compound or Turb	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
<b>Total Residential Wastewater System Meter Equivalents</b>				<b>599</b>

**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 family residence (SFR) gallons sold by the average number of single family residence customers for the same period and divide the results by 365 days.
- (b) If no historical flow data are available, use:

$$ERC = ( \text{Total SFR gallons treated (Omit 000)} / 365 \text{ days} / 275 \text{ gallons per day} )$$

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:	SFR Gallons Sold	Average Customers	Days	ERC
	7,367,162	474	365	43

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	3	3
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 Turb	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
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
<b>Total Commercial Wastewater System Meter Equivalents</b>				<b>24</b>

**TREATMENT PLANT**

Provide a separate sheet for each wastewater treatment facility

Permitted Capacity (gpd)	Plant Taken off line in 2000 flow diverted to Pasco County.		
Basis of Permit Capacity (1)	Interconnected		
Manufacturer	Interconnected		
Type (2)	Interconnected		
Hydraulic Capacity (gpd)	Plant Taken off line in 2000 flow diverted to Pasco County.		
Average Daily Flow (mgd) *	Interconnected		
Effluent Disposal (gpd)	Interconnected		
Total Gallons of WW Treated (mg) *	Interconnected		
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.

**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.	474
2. Maximum number of ERC's * which can be served.	N/A **
** Note: SFR gallons sold is not representative of total ww flow at plant.	
3. Present system connection capacity (in ERCs*) using existing lines.	474
4. Future connection capacity (in ERCs*) upon service area buildout.**	474
5. Estimated annual increase in ERCs*	3
6. Describe any plans and estimate completion dates for any enlargements or improvements of this system. Projects completed in 2002: Install control valve at interconnect with Pasco County.	
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	
8. If the utility does not engage in reuse, has a reuse feasibility study been completed?	No
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 requirement?	
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	
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 #	Interconnected

\* An ERC is determined based on the calculation on S-11

\*\* Based on meter equivalency factors for ERCs



**FLORIDA WATER SERVICE CORPORATION**

**FOOTNOTES TO THE 2001 ANNUAL REPORT**

- 1) In 2001, total company General Plant Assets are pooled at the corporate level and allocated to each system based on number of customers. Reversal of previous year general plant assets is reflected in the Retirement/Transfer column and the new allocated amounts are reflected as additions.
- 2) In 2001, Florida Water Services continued implementation of a detailed Fixed Asset System of accounting for all company owned assets. An integral part of this process is to reconcile all physically identified assets to the balance per books. This entry is a result of booking the physical inventory.
- 3) Total Company general plant accumulated depreciation is pooled at the corporate level and allocated to each plant based on number of customers. Due to the treatment of the general plant assets and the associated accumulated depreciation, the reversal of the 2000 Annual Report ending balance for accumulated depreciation is shown in the "Other Charges" column as well as any debit adjustments to the General Plant Accumulated Depreciation as reflected on the Company's 10K schedule. The re-allocation of the 2000 ending balance for General Plant Accumulated Depreciation as well as any credits to the General Plant Accumulated Depreciation as reflected on the Company's 10K schedule is shown in the "Other Credits" column. This treatment will ensure that the accruals are reflected correctly.
- 4) Total company general plant retirements and their associated salvage proceeds and cost of removal are allocated to each plant based on number of customers.
- 5) Employee Pensions and Benefits and Workman's Compensation Insurance are allocated from the corporate level to the plant based on labor charges.
- 6) Customer numbers are derived by taking the twelve month average of the total number of bills in 2001.
- 7) Retirement of the plant's assets resulting from the condemnation of Sugar Mill Country Club facility by the City of New Smyrna Beach in 2001.
- 8) Reclassified to proper plant. These amounts may not be the total of activity during the year as normal additions may have also occurred in these accounts.