Water Plant Name	Plant #	Total Reservoir Capacity (gals)	Total High Service pump capacity (gpm)	Comments
Apple Vallev	332	232,000	2,920	- And a series of the series o
Beecher's Point	472			Interconnected to Welaka
Chuluota	335	450,000	2,450	
Dol Ray	336	8,000	200	
Druid Hills	334	30,000		500 Wells can be valved to go direct.
Gibsonia Estates	215		270	270 Includes all direct wells
Grand Terrace	575		009	600 Includes all direct wells
Lake Gibson	210	And the state of t	1,100	1,100 Includes all direct wells
Lake Harriet	323	25,000		400 Emergency interconnect to Altamonte Springs
Leisure Lakes/Covered Bridge	2401	15,000	400	
Meredith Manor	330	50,000	1,150	
Morningview	562		425	425 Includes all direct wells
Palm Terrace	1429		160	160 Well and Interconnects
Quail Ridge	578		029	650 Includes all direct wells
Silver Lake Estates	574	50,000		4,420 Interconnected to Western Shores
Skycrest	551	1000	675	675 Includes all direct wells
Sunny Hills	2801	60,000	1,050	1,050 Includes all direct wells
Valencia Terrace	554		1,100	1,100 Includes all direct wells
Zephyr Shores	1427	The state of the s	120	120 Well and Interconnect to Pasco County

1

WASTEWATER SYSTEMS 2004

## **REUSE END USERS**

PAGE S-13 EXHIBIT Q-7

List for each source for reuse:

System Name	System Number	Reuse End User	Gallons Used
Florida Central Commerce Park	340	Green space irrigation system	9,042,000

YEAR OF REPORT June 30, 2004

## PUMPING AND PURCHASED WATER STATISTICS

MONTH	WATER PURCHASED FOR RESALE (Omit 000's)	FINISHED WATER PUMPED FROM WELLS (Omit 000's)	FOR LINE FLUSHING, FIGHTING FIRES, ETC.	PURCHASED (Omit 000's) [(b)+(c)-(d)]	WATER SOLD TO CUSTOMERS (Omit 000's)
(a)	(b)	(c)	(d)	(e)	<u>(f)</u>
January	0	13,905	14		12,653
February	0	11,034	361	10,672	10,537
March	0	14,998	100	14,897	10,864
April	84	18,529	37	18,577	15,418
May	0	21,318	22	21,295	16,805
June	0	16,242	25	16,217	20,998
July				,	System Sold
August					
September					
October			:		
November					
December					
Total for year	84	96,025	559	, 95,549	87,275

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

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

YEAR OF REPORT June 30, 2004

# WATER TREATMENT PLANT INFORMATION

Provide a separate sheet for each water treatment facility

Capacity of Plant (GPD):	*	720,000	(Reliable Max Day Capacity)
Location of measurement			
(i.e. WellHead, Storage Tank):	We	ellHead and/or Dis	tribution
Type of treatment (reverse osmosis,			
(sedimentation, chemical, aerated, etc.)	: Ch	lorination and Aer	ation
Li	ME TREATM	MENT	
Unit rating (i.e., CPM, pounds			
Unit rating (i.e., CPM, pounds per gallon): N/A		Manufacturer:	
• , , , , ,	FILTRATIO		
per gallon): N/A	· · · · · · · · · · · · · · · · · · ·		
per gallon): N/A Type and size of area:	FILTRATIO		

<sup>\*</sup> Wells

<sup>\*</sup> Emergency Interconnect with City of Attamonte Springs

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	1,090	1,090
3/4"	Displacement	1.5	1	2
1"	Displacement	2.5	7	18
1 1/2"	Displacement or Turbine	5.0	0	0
2"	Displacement, Compound or Turbine	8.0	2	16
3"	Displacement	15.0	0	0
3"	Compound	16.0	0	0
3"	Turbine	17.5	0	0
4"	Displacement or Compound	25.0	0	0
4"	Turbine	30.0	0	0
6"	Displacement or Compound	50.0	0	0
6"	Turbine	62.5	0	0
8"	Compound	80.0	0	0
8"	Turbine	90.0	0	0
10"	Compound	115.0	0	0
10"	Turbine	145.0	0	0
12"	Turbine	215.0	0	0
To	tal Residential Water System Meter Equ	ıivalents	1,100	1,125

# CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL CONNECTION

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

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

Calculations: (a)		Average		
	SFR Gallons Sold	Customers	Days	ERC
	81,924,583	1,072	181	422
	, ,			
•				

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	31	31
3/4"	Displacement	1.5	1	2
1"	Displacement	2.5	7	18
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	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
Tota	al Commercial Water System Meter Equ	ivalents	47	108

#### OTHER WATER SYSTEM INFORMATION

Fu	rnish information below for each system. Asepara	ate page should be supplied where	necessary.
1.	Present ERC's * that system can efficiently serve.		1,072
2.	Maximum number of ⊞Cs * which can be served	j ***	853
3.	Present system connection capacity (in IRCs *) u	sing existing lines.	1,416
4.	Future connection capacity (in ⊞Cs *) upon servi	ice area buildout.	1,739
5.	Estimated annual increase in ⊞Cs *.	System Sold	
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 data System under new ownership, sold 06/30/2004	tes for any enlargements or improv	vements of this system.
		A 100 - 100	
9.	When did the company last file a capacity analysi	is report with the DP?	N/A
10.	. If the present system does not meet the requiren	ments of the DIP rules:	N/A
	a. Attach a description of the plant upgrade nece	essary to meet the D <b>₽</b> rules.	
	b. Have these plans been approved by D⊞?		
	c. When will construction begin?		
	d. Attach plans for funding the required upgrading	ng.	
	e. Is this system under any Consent Oder with D	DEP?	
11	. Department of Environmental Protection ID #.	3590039	
12	. Water Management District Consumptive Use Re	ermit #	50281
	a. Is the system in compliance with the requiren	nents of the CUP	Yes,
	b. If not, what are the utility's plans to gain comp		it should be noted that
	withdrawal quantities are dynamic and may fluct		
	the permit. Permits are reviewed peridically to a water management district.	scendin whether modifications nee	ed to be med with the
	water management district.		

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

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

UTILITY NAME: FLORIDA WATER SERVICES
SYSTEM NAME / COUNTY: APPLE VALLEY / SEMINOLE #332

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	161	161
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	C
12"	Turbine	215.0	0	0
	Total Residential Wastewater Syst	tem Meter Equiva	lents	164

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

#### For wastewater only utilities:

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

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

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

SFR Gallons Sold	Customers	Days	ERC
5,216,690	163	181	177
			•

S-11a 20332 SYSTEM 1

# UTILITY NAME: FLORIDA WATER SERVICES

SYSTEM NAME / COUNTY: APPLE VALLEY / SEMINOLE #332

YEAR OF REPORT June 30, 2004

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	23	23
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	1	8
3"	Displacement	15.0	0	0
3"	Compound	16.0	0	0
3"	Turbine	17.5	0	0
4"	Displacement or Compound	25.0	0	0
4"	Turbine	30	0	0
6"	Displacement or Compound	50.0	0	0
6"	Turbine	62.5	0	0
8"	Compound	80.0	0	. 0
8"	Turbine	90.0	0	0
10"	Compound	115.0	0	0
10"	Turbine	145.0	0	0
12"	Turbine	215.0	0	0
-	Total Commercial Wastewater Sys	tem Meter Equiva	lents	54

S-11b 20332 SYSTEM 1 **UTILITY NAME: FLORIDA WATER SERVICES** 

SYSTEM NAME / COUNTY: APPLE VALLEY / SEMINOLE #332

YEAR OF REPORT June 30, 2004

## TREATMENT PLANT

Provide a separate sheet for each wastewater treatment facility

· <del>y</del>
<u></u>

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

UTILITY NAME: FLORIDA WATER SERVICES
SYSTEM NAME / COUNTY: APPLE VALLEY / SEMINOLE #332

YEAR OF REPORT June 30, 2004

## OTHER WASTEWATER SYSTEM INFORMATION

Furnish information below for each system. A separa	ate page should be supplied where necessary.
Present number of ERC's * now being served	163 Interconnected
Maximum number of ERC's * which can be served.  ** Note: SFR gallons sold is not representative of total ww flow at plant.	N/A **
3. Present system connection capacity (in ERCs*) using exist	ting lines. 163
4. Future connection capacity (in ERCs*) upon service area b	ouildout.*** 163
5. Estimated annual increase in ERCs* System Sc	old
6. Describe any plans and estimate completion dates for any System under new ownership, sold 06/30/2004	enlargements or improvements of this system.
7. If the utility uses reuse as a means of effluent disposal, atte of reuse provided to each, if known. N/A	ach a list of the reuse end users and the amount
O Make with deep and appear to severe here a severe for the fill	
8. If the utility does not engage in reuse, has a reuse feasibility	ty study been completed? No
If so, when?	ty study been completed? No
If so, when?	t district to implement reuse? No
If so, when?  9. Has the utility been required by DEP or water management	t district to implement reuse? No this requirement?
If so, when?  9. Has the utility been required by DEP or water management of so, what are the utility's plans to comply with the son t	t district to implement reuse?  No  this requirement?  with the DEP?  N/A  DEP rules:  N/A  cessary to meet the DEP rules.
If so, when?  9. Has the utility been required by DEP or water management of the so, what are the utility's plans to comply with the so, what are the utility's plans to comply with the so, what are the utility's plans to comply with the so, what are the utility's plans to comply with the so, what are the utility's plans to comply with the so, when system does not meet the requirements of the so. If the plant upgrade needs to the solution of the plant upgrade needs. Have these plans been approved by DEP?  c. When will construction begin?	t district to implement reuse?  No  this requirement?  with the DEP?  N/A  DEP rules:  N/A  cessary to meet the DEP rules.

S-13 20332 SYSTEM 1

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

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

## PUMPING AND PURCHASED WATER STATISTICS

MONTH	WATER PURCHASED FOR RESALE (Omit 000's) (b)	FINISHED WATER PUMPED FROM WELLS (Omit 000's) (c)	WATER USED FOR LINE FLUSHING, FIGHTING FIRES, ETC. (d)	TOTAL WATER PUMPED AND PURCHASED (Omit 000's) [ (b)+(c)-(d) ] (e)	WATER SOLD TO CUSTOMERS (Omit 000's) (f)
(a) January	555	0	4	552	. 56
February	587	0	4	584	48
March	624	0	4	620	61
April	649	0	0	649	64
May	623	0	0	623	5€
June	532	0	0	532	60
July					System Sold
August					
September					
October					
November					
December					
Total for year	3,570	o	11	3,560	3,4

1,111		
If water is purchased for re	esale, indicate the following:	
Vendor	Town of Welaka	
Point of delivery	6 inch Rockwell Meter @ 400 Front Greet	
If water is sold to other wa	ater 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 town of Welaka			

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

YEAR OF REPORT June 30, 2004

## WATER TREATMENT PLANT INFORMATION

Provide a separate sheet for each water treatment facility

Capacity of Plant (GPD):	Interconnected with town of Welaka	
Location of measurement		
(i.e. WellHead, Storage Tank):	N/A	
Type of treatment (reverse osmosis,		
(sedimentation, chemical, aerated, etc,	): N/A	
ı	IME TREATMENT	
Unit rating (i.e., GPM, pounds		
Unit rating (i.e., GPM, pounds	Manufacturer:	
Unit rating (i.e., GPM, pounds per gallon): N/A	Manufacturer:	
Unit rating (i.e., GPM, pounds	Manufacturer:	

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	47	47
3/4"	Displacement	1.5	0	0
1"	Displacement	2.5	11	3
1 1/2"	Displacement or Turbine	5.0	0	0
2"	Displacement, Compound or Turbine	8.0	0	0
3"	Displacement	15.0	0	0
3"	Compound	16.0	0	0
3"	Turbine	17.5	0	0
4"	Displacement or Compound	25.0	, 0	0
4"	Turbine	30.0	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
Tot	al Residential Water System Meter Equ	ivalents	49	80

### CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL CONNECTION

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

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

Calculations: (a)		Average		
	SFR Gallons Sold	Customers	Days	ERC
	1,466,280	47	181	172
•				

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	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
Tot	al Commercial Water System Meter Equ	ivalents	3	24

### OTHER WATER SYSTEM INFORMATION

Furi	nish information below for each system. Asepara	te page should be supplied whe	re necessary.
1. [	Present ERC's * that system can efficiently serve.		47
2. 1	Maximum number of ERCs * which can be served	N/A	
3. 1	Present system connection capacity (in IRCs *) u	94	
4. I	Future connection capacity (in IRCs *) upon servi	97	
5. I	Estimated annual increase in ⊞Cs *.	System Sold	
6.	s the utility required to have fire flow capacity?  If so, how much capacity is required?	Yes 500 gpm	
7. /	Attach a description of the fire fighting facilities.		
	Describe any plans and estimated completion dat System under new ownership, sold 06/30/2004		ovements of this system.
9. '	When did the company last file a capacity analysi	is report with the DP?	N/A
10.	If the present system does not meet the requiren	nents of the DP rules:	N/A
	a. Attach a description of the plant upgrade nece	essary to meet the DIP rules.	
	b. Have these plans been approved by D⊞?		
	c. When will construction begin?		
	d. Attach plans for funding the required upgradir	ng.	
	e. Is this system under any Consent Oder with D	DEP?	
11.	Department of Environmental Protection ID #.	2540070	
12.	Water Management District Consumptive Use Re	rmit #	N/A
	a. Is the system in compliance with the requiren	nents of the CUP	
	b. If not, what are the utility's plans to gain comp	bliance?	

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

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

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

METER SIZE (a)	TYPE OF METER* (b)	EQUIVALENT FACTOR (c)	NUMBER OF WATER METERS (d)	TOTAL NUMBER OF METER EQUIVALENTS (c x d) (e)
5/8"	Displacement	1.0	19	19
3/4"	Displacement	1.5	0	. 0
1"	Displacement	2.5	0	0
1 1/2"	Displacement or Turbine	5.0	0	0
2"	Displacement, Compound or 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	1	30
6"	Displacement or Compound	50.0	0	0
6"	Turbine	62.5	0	0
8"	Compound	80.0	0	0
8"	Turbine	90.0	0	0
10"	Compound	115.0	0	0
10"	Turbine	145.0	0	0
12"	Turbine	215.0	0	0
	Total Residential Wastewater Syst	tem Meter Equiva	lents	49

# CALCULATION OF THE WASTEWATER SYSTEMS EQUIVALENT RESIDENTIAL CONNECTIONS

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

- (a) If actual flow data are available from the preceding 12 months, divide the total annual single 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 = (Total SFR gallons treated (Omit 000) / 365 days / 275 gallons per day )

#### For wastewater only utilities:

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

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

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

Calculations:		Average		•
	SFR Gallons Sold	Customers	Days	ERC
	303,150	17	181	99

S-11a 20472 SYSTEM 1

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

YEAR OF REPORT June 30, 2004

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
	Total Commercial Wastewater Sys	tem Meter Equiva	alents	0

S-11b 20472 SYSTEM 1 **UTILITY NAME: FLORIDA WATER SERVICES** 

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

YEAR OF REPORT June 30, 2004

## TREATMENT PLANT

Provide a separate sheet for each wastewater treatment facility

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

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

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

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

YEAR OF REPORT June 30, 2004

# OTHER WASTEWATER SYSTEM INFORMATION

Furnish information below for each system. A separate p	age should be supplied where necessary.
Present number of ERC's * now being served.	17 Interconnected
Maximum number of ERC's * which can be served.  ** Note: SFR gallons sold is not representative of total ww flow at plant.	N/A **
3. Present system connection capacity (in ERCs*) using existing li	nes. 20
4. Future connection capacity (in ERCs*) upon service area buildo	ut.*** 21
5. Estimated annual increase in ERCs* System Sold	
6. Describe any plans and estimate completion dates for any enlar System under new ownership, sold 06/30/2004	rgements or improvements of this system.
7. If the utility uses reuse as a means of effluent disposal, attach a of reuse provided to each, if known.  N/A	a list of the reuse end users and the amount
8. If the utility does not engage in reuse, has a reuse feasibility stu	udy been completed? No
If so, when?	
9. Has the utility been required by DEP or water management dist	rict 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
<ul> <li>11. If the present system does not meet the requirements of DEP</li> <li>a. Attach a description of the plant upgrade necess</li> <li>b. Have these plans been approved by DEP?</li> <li>c. When will construction begin?</li> </ul>	
d. Attach plans for funding the required upgrading. e. Is this system under any Consent Order with DE	
12. Department of Environmental Protection ID # Interc	connected

S-13 20472 SYSTEM 1

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

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

## **PUMPING AND PURCHASED WATER STATISTICS**

	WATER PURCHASED	FINISHED WATER PUMPED	FOR LINE FLUSHING, FIGHTING	PURCHASED	WATER SOLD TO CUSTOMERS
MONTH	FOR RESALE (Omit 000's)	FROM WELLS (Omit 000's)	FIRES, ETC.	(Omit 000's) [ (b)+(c)-(d) ]	(Omit 000's)
(a)	(b)	(c)	(d)	(e)	(f)
January	0	1,213	0	1,213	1,244
February	0	1,030	0	1,030	969
March	0	1,352	0	1,352	1,165
April	0	1,595	0	1,595	1,346
May	0	1,919	0	1,919	1,542
June	0	1,356	0	1,356	1,771
July					System Sold
August					
September					
October			•		
November				,	
December					
Total for year	0	8,465	0	8,465	8,038

i water is purchased for r	esale, indicate the following:		
vater is purchased for i Vendor	N/A		
	•		
Point of delivery	N/A		
water is sold to other wa	ater utilities for redistribution, list n	names of such utilities below:	
I/A			•

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

YEAR OF REPORT June 30, 2004

## 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				
(l.e. WellHead, Storage Tank):	WellHead and/or	WellHead and/or Distribution		
Type of treatment (reverse osmosis,				
(sedimentation, chemical, aerated, etc,):	Chlorination			
1 184				
LIM	IE TREATMENT			
	IE IHEAIMENI			
Unit rating (i.e., GPM, pounds	Manufacture	r:		
Unit rating (i.e., CPM, pounds per gallon): N/A		or:		
Unit rating (i.e., CPM, pounds per gallon):N/A	Manufacture	er:		
Unit rating (i.e., GPM, pounds per gallon):N/A	Manufacture FILTRATION			

<sup>\*</sup> Wells

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	201	201
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
Tot	al Residential Water System Meter Equ	ivalente	201	201

### CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL CONNECTION

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

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

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

Calculations: (a)		Average		
	SFR Gallons Sold	Customers	Days	ERC
	8,037,510	192	181	231

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	, O	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
Tota	al Commercial Water System Meter Equ	ivalents	0	0

#### OTHER WATER SYSTEM INFORMATION

Furnish information below for each system. Asepara	te page should be supplied wher	re necessary.
1. Present ERC's * that system can efficiently serve		192
2. Maximum number of ERCs * which can be served	<del>                                    </del>	311
3. Present system connection capacity (in ⊞Cs *) u	sing existing lines.	362
4. Future connection capacity (in ⊞Cs *) upon serv	ice area buildout.	644
5. Estimated annual increase in ⊞Cs *.	System Sold	
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	
Describe any plans and estimated completion da System under new ownership, sold 06/30/2004	tes for any enlargements or impr	ovements of this system.
When did the company last file a capacity analys		N/A
If the present system does not meet the requirer	nents of the DP rules:	N/A
a. Attach a description of the plant upgrade nec	essary to meet the D₽ rules.	
b. Have these plans been approved by D⊞?		
c. When will construction begin?		
d. Attach plans for funding the required upgradi	ng.	
e. Is this system under any Consent Oder with	DEP?	
Department of Environmental Protection ID #.	3350152	
2. Water Management District Consumptive Use R	ermit #	2605
a. Is the system in compliance with the requirer	nents of the CUP	Yes,
<ul> <li>b. If not, what are the utility's plans to gain com withdrawal quantities are dynamic and may fluct</li> </ul>		It should be noted that during the duration of
the permit. Permits are reviewed peridically to a	scertain whether modifications n	eed to be filed with the
water management district.		

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

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

## **PUMPING AND PURCHASED WATER STATISTICS**

	WATER	FINIOUED	WATER USED	TOTAL WATER	WATER OOL B
	WATER	FINISHED	FOR LINE	PUMPED AND	WATER SOLD
	PURCHASED	WATER PUMPED	FLUSHING,	PURCHASED	то
	FOR RESALE	FROM WELLS	FIGHTING	(Omit 000's)	CUSTOMERS
MONTH	(Omit 000's)	(Omit 000's)	FIRES, ETC.	[ (b)+(c)-(d) ]	(Omit 000's)
(a)	(b)	(c)	(d)	(θ)	<b>(f)</b>
January	0	11,650	1	11,649	10,02
February	0	9,086	0	9,085	8,85
March	0	14,592	4,308	10,284	9,32
April	0	15,437	1	15,435	15,51
May	0	16,396	10	16,386	13,61
June	0	13,225	3,126	10,099	15,74
July					System Sold
August					
September					
October					
November					
December					
Total for year	0	80,385	7,446	72,939	73,0

resale, indicate the following:		
N/A		
N/A		
rater utilities for redistribution, list nam	nes of such utilities below:	
	N/A	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	500	720,000	Deep Well
Well # 3	500	720,000	Deep Well
Well # 5	500	720,000	Deep Well
A ALERTA I VICTORIA DE LA CALIFICACIONE DEL CALIFICACIONE DEL CALIFICACIONE DE LA CALIFICACIONE DE LA CALIFICACIONE DE LA CALIFICACIONE DEL CALIFICACIONE DE LA CALIFICACIONE DE LA CALIFICACIONE DE LA CALIFICACIONE DEL CALIFICACIONE DE LA CALIFICACIONE DEL CALIFICACIONE DE LA CALIFICACIONE DEL CA			

YEAR OF REPORT June 30, 2004

# WATER TREATMENT PLANT INFORMATION

Provide a separate sheet for each water treatment facility

Capacity of Plant (GPD):	* 2,808,000	(Reliable Peak Hour)
Location of measurement		
(l.e. WellHead, Storage Tank):	WellHead and/or	Distribution
Type of treatment (reverse osmosis,		
(sedimentation, chemical, aerated, etc.):	Chlorination and	Aeration
LIMI	E TREATMENT	
<del></del>	E TREATMENT	
Unit rating (i.e., GPM, pounds	E TREATMENT  Manufacture	r:
Unit rating (i.e., GPM, pounds per gallon): N/A		r:
Unit rating (i.e., CPM, pounds per gallon): N/A	Manufacture	r:
Unit rating (i.e., GPM, pounds per gallon): N/A	Manufacture	

<sup>\*</sup> High Service

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	1,133	1,133
3/4"	Displacement	1.5	0	0
1"	Displacement	2.5	7	18
1 1/2"	Displacement or Turbine	5.0	2	10
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
Tot	al Residential Water System Meter Equ	ivalents	1,145	1,185

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

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

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

Calculations: (a)		Average		
	SFR Gallons Sold	Customers	Days	ERC
	67,469,389	1,100	181	339
•				

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	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	1	18
4"	Displacement or Compound	25.0	0	0
4"	Turbine	30.0	, o	0
6"	Displacement or Compound	50.0	0	0
6"	Turbine	62.5	00	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
Tot	al Commercial Water System Meter Equ	uivalents	14	55

## OTHER WATER SYSTEM INFORMATION

Furnish information below for each system. Asepara	ute page should be supplied where	e necessary.
Present ERC's * that system can efficiently serve.		1,100
2. Maximum number of ERCs * which can be served		2,072
3. Present system connection capacity (in ERCs *) u	sing existing lines.	1,954
4. Future connection capacity (in 田Cs *) upon serv	ice area buildout.	2,663
5. Estimated annual increase in ⊞Cs *.	System Sold	
6. Is the utility required to have fire flow capacity?	Yes	
If so, how much capacity is required?	600 gpm	
7. Attach a description of the fire fighting facilities.	See W-14 Exhibit Q-7	
Describe any plans and estimated completion da System under new ownership, sold 06/30/2004	tes for any enlargements or impro	ovements of this system.
9. When did the company last file a capacity analys 10. If the present system does not meet the requirer		N/A N/A
a. Attach a description of the plant upgrade nec	essary to meet the DIP rules.	
b. Have these plans been approved by DEP?		
c. When will construction begin?		,
d. Attach plans for funding the required upgrading	ng.	
e. Is this system under any Consent Oder with	DEP?	
11. Department of Environmental Protection ID #.	3590186	
12. Water Management District Consumptive Use R	èrmit #	8362
a. Is the system in compliance with the requirer	ments of the CUP	Yes,
b. If not, what are the utility's plans to gain com	•	It should be noted that
withdrawal quantities are dynamic and may fluc		
the permit. Permits are reviewed peridically to a	ascertain whether modifications no	eed to be filed with the
water management district.		

SYSTEM 1

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

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

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

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	481	481
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
	Total Residential Wastewater Syst	tem Meter Equiva	lents	481

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

For wastewater only utilities:

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

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

Calculations:	Average				
	SFR Gallons Sold	Customers	Days	ERC	
	10,770,490	374	181	159	

S-11a 20335 SYSTEM 1

YEAR OF REPORT June 30, 2004

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

	TYPE OF METER* (b)	EQUIVALENT FACTOR (c)	NUMBER OF WATER METERS (d)	TOTAL NUMBER OF METER EQUIVALENTS (c x d) (e)
Dis	splacement	1.0	4	
Dis	placement	1.5	0	
Dis	placement	2.5	0	(
Dis	splacement or Turbine	5.0	0	(
Dis	splacement, Compound or Turb	8.0	0	(
Dis	placement	15.0	0	(
Co	mpound	16.0	0	(
Tur	rbine	17.5	0	(
Dis	splacement or Compound	25.0	0	(
Tur	rbine	30	0	(
Dis	splacement or Compound	50.0	0	(
Tur	rbine	62.5	0	(
Co	mpound	80.0	0	(
Tu	rbine	90.0	0	(
Co	mpound	115.0	0	(
Tu	rbine	145.0	0	(
Tur	rbine	215.0	0	{
Tui	rbine	215.0	0	

**UTILITY NAME: FLORIDA WATER SERVICES** 

SYSTEM NAME / COUNTY: CHULUOTA / SEMINOLE #335

YEAR OF REPORT June 30, 2004

### TREATMENT PLANT

Provide a separate sheet for each wastewater treatment facility

-			
Permitted Capacity (gpd)	100,000		
Basis of Permit Capacity (1)	AADF		
Manufacturer	Custom Made		
Type (2)	Extended Aeration		
Hydraulic Capacity (gpd)	100,000		
Average Daily Flow (mgd)	0.055	(Average of Max Month)	
Total Gallons of WW Treated (mg)	8.694		
Method of Effluent Disposal	Spray Irrigation		

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

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

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

YEAR OF REPORT June 30, 2004

## OTHER WASTEWATER SYSTEM INFORMATION

Present number of ERC's * now being sen	ved.		374	
. Maximum number of ERC's * which can be	e served.	632	**	
** Note: SFR gallons sold is not representative of total w Present system connection capacity (in Ef	-	risting lines.	405	
. Future connection capacity (in ERCs*) upo	on service area	a buildout.***	1,157	
. Estimated annual increase in ERCs*	System	Sold		
Describe any plans and estimate completi System under new ownership, sold 06		ny enlargements	or improvements of th	is system.
			· · · · · · · · · · · · · · · · · · ·	
of reuse provided to each, if known.	N/A			
of reuse provided to each, if known.	N/A			
of reuse provided to each, if known.  If the utility does not engage in reuse, has  If so, when?	N/A s a reuse feasik	oility study been	completed? No	
of reuse provided to each, if known.  If the utility does not engage in reuse, has  If so, when?	N/A s a reuse feasik ater manageme	oility study been	completed? No	
of reuse provided to each, if known.  If the utility does not engage in reuse, has  If so, when?  Has the utility been required by DEP or wa  If so, what are the utility's plans to	N/A s a reuse feasik ater managemento comply wit	oility study been ent district to im this requirer	completed? No	No
If the utility does not engage in reuse, has  If so, when?  Has the utility been required by DEP or wa	N/A s a reuse feasik ater manageme to comply wit ty analysis report requirements of ant upgrade report oved by DEP* required upgrader	ent district to im th this requirer ort with the DEP of DEP rules: necessary to n ?	plement reuse? nent?  January  N/A	No

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

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

## **PUMPING AND PURCHASED WATER STATISTICS**

MONTH	WATER PURCHASED FOR RESALE (Omit 000's)	FINISHED WATER PUMPED FROM WELLS (Omit 000's)	FOR LINE FLUSHING, FIGHTING FIRES, ETC.	TOTAL WATER PUMPED AND PURCHASED (Omit 000's) [ (b)+(c)-(d) ]	WATER SOLD TO CUSTOMERS (Omit 000's) (f)
(a)	(b)	(c) 516	<b>(d)</b>	<b>(e)</b> 516	50
January	0	476	40	436	41
February	0	621	40	581	52
March	0			739	64
April	0	739	0		
May	571	267	0	837	66
June	731	11	0	742	80
July					System Sold
August					
September					
October					
November					
December					
Total for year	1,301	2,630	80	3,851	3,5

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

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

YEAR OF REPORT June 30, 2004

## 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		
(l.e. WellHead, Storage Tank):	WellHead and/or Distribution	-
Type of treatment (reverse osmosis,		
(sedimentation, chemical, aerated, etc.):	Chlorination and Aeration	
LIME	ETREATMENT	
LIMI Unit rating (i.e., 약M, pounds	E TREATMENT	
Unit rating (i.e., CPM, pounds	E TREATMENT  Manufacturer:	
Unit rating (i.e., GPM, pounds per gallon): N/A		
Unit rating (i.e., GPM, pounds per gallon): N/A	Manufacturer:	
Unit rating (i.e., CPM, pounds per gallon): N/A	Manufacturer:	

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

<sup>\*</sup> High Service

METER SIZE (a)	TYPE OF METER* (b)	EQUIVALENT FACTOR (c)	NUMBER OF METERS (d)	TOTAL NUMBER OF METER EQUIVALENTS (c x d) (e)	
5/8"	Displacement	1.0	58	58	
3/4"	Displacement	1.5	0	0	
1"	Displacement	2.5	11	3	
1 1/2"	Displacement or Turbine	5.0	0	0	
2"	Displacement, Compound or Turbine	8.0	0	0	
3"	Displacement	15.0	0 .	0	
3"	Compound	16.0	0	0	
3"	Turbine	17.5	11	18	
4"	Displacement or Compound	25.0	0	0	
4"	Turbine	30.0	, o	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>T</b>	al Residential Water System Meter Equ				

## CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL CONNECTION

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

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

Calculations: (a)		Average		
	SFR Gallons Sold	Customers	Days	ERC
	3,552,780	59	181	333

### **CALCULATION OF THE WATER SYSTEMS METER EQUIVALENTS**

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
Tota	al Commercial Water System Meter Equ	0	0	

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

Fu	rnish information below for each system. Aseparat	te page should be supplied where	necessary.
1.	Present ERC's * that system can efficiently serve.		59
2.	Maximum number of ⊞Cs * which can be served	**	271
3.	Present system connection capacity (in ERCs *) us	60	
4.	Future connection capacity (in ⊞Cs *) upon serving	60	
5.	Estimated annual increase in ERCs *.	System Sold	
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 date System under new ownership, sold 06/30/2004	, ,	vements of this system.
9.	When did the company last file a capacity analysis	s report with the DP?	N/A
10.	If the present system does not meet the requirem	nents of the DP rules:	N/A
	a. Attach a description of the plant upgrade nece	ssary to meet the DIP rules.	
	b. Have these plans been approved by D⊞?		
	c. When will construction begin?		
	d. Attach plans for funding the required upgrading	g.	
	e. Is this system under any Consent Oder with D	EP?	
11.	Department of Environmental Protection ID #.	3590297	
12.	Water Management District Consumptive Use Per	mit #	3769
	a. Is the system in compliance with the requirem	ents of the CUP	Yes,
	b. If not, what are the utility's plans to gain comp withdrawal quantities are dynamic and may fluctu	ate beyond permitted quantities d	
	the permit. Permits are reviewed peridically to as	certain whether modifications nee	d to be filed with the
	water management district.		

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

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

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

MONTH	WATER PURCHASED FOR RESALE (Omit 000's) (b)	FINISHED WATER PUMPED FROM WELLS (Omit 000's) (c)	WATER USED FOR LINE FLUSHING, FIGHTING FIRES, ETC. (d)	TOTAL WATER PUMPED AND PURCHASED (Omit 000's) [ (b)+(c)-(d) ] (e)	WATER SOLD TO CUSTOMERS (Omit 000's) (f)
January	0	2,845	9	2,836	2,514
February	0	2,429	56	2,373	1,957
March	0	3,396	187	3,208	2,464
April	0	4,282	5	4,277	3,364
May	0	4,633	7	4,626	3,268
June	0	3,111	8	3,103	4,170
July					System Sold
August					
September				-	
October					
November					
December					
Total for year	0	20,696	273	, 20,422	17,73

	<del></del>				
If water is purchased for r	esale, indicate the folio	owing:			
Vendor	N/A				
Point of delivery	N/A				
If water is sold to other wa	ater utilities for redistrib	oution, list names of	f such utilities bel	ow:	•

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

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

YEAR OF REPORT June 30, 2004

## 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, e	tc,):	Chlorination and	Aeration
	LIMETRE	EATMENT	
Unit rating (i.e., ŒM, pounds	LIMETRE	EATMENT	
Unit rating (i.e., CPM, pounds per gallon): N/A	LIMETRE	EATMENT  Manufacture	r:
<del>-</del> ', ' ' ' '			r:
<del>-</del> ', ' ' ' '		Manufacture	r:
per gallon): N/A		Manufacture	

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

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	218	218
3/4"	Displacement	1.5	2	3
1"	Displacement	2.5	27	68
1 1/2"	Displacement or Turbine	5.0	3	15
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
Tot	al Residential Water System Meter Equ	ivalents	251	312

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

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

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

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

Calculations: (a)		Average		
	SFR Gallons Sold	Customers	Days	ERC
	17,279,620	243	181	393
-				

### **CALCULATION OF THE WATER SYSTEMS METER EQUIVALENTS**

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
<b>4</b> "	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
Tota	al Commercial Water System Meter Equ	2	13	

#### OTHER WATER SYSTEM INFORMATION

Fι	urnish information below for each system. Asepara	ate page should be supplied wher	e necessary.
1.	Present ERC's * that system can efficiently serve.	•	243
2.	Maximum number of ⊞Cs * which can be served	229	
3.	Present system connection capacity (in ERCs *) u	243	
4.	Future connection capacity (in ERCs *) upon servi	243	
5.	Estimated annual increase in ERCs *.	System Sold	
6.	Is the utility required to have fire flow capacity?  If so, how much capacity is required?	Yes 600 gpm	
7.	Attach a description of the fire fighting facilities.	See W-14 Exhibit Q-7	
8.	Describe any plans and estimated completion dat System under new ownership, sold 06/30/2004	tes for any enlargements or impro	ovements of this system.
	When did the company last file a capacity analysi	,	N/A
10.			NA
	Attach a description of the plant upgrade nece	essary to meet the D₽ rules.	
	b. Have these plans been approved by D⊞?		
	c. When will construction begin?		
	d. Attach plans for funding the required upgradin	ng.	
	e. Is this system under any Consent Oder with D	)EP?	
11.	Department of Environmental Protection ID #.	3590111	
12.	Water Management District Consumptive Use Per	rmit #	3766
	a. Is the system in compliance with the requirem	ents of the CUP	Yes,
	b. If not, what are the utility's plans to gain comp		It should be noted that
	withdrawal quantities are dynamic and may fluctu- the permit. Permits are reviewed peridically to as		
	water management district.	certain whether modifications he	ed to be filed with the
	Tatol management allowing		<del></del>

 $<sup>^{\</sup>star}$  An ERC is determined based on the calculation on W-13

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

# UTILITY NAME: FLORIDA WATER SERVICES SYSTEM NAME / COUNTY: EAST LAKE HARRIS ESTATES / LAKE #557

YEAR OF REPORT June 30, 2004

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

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

			WATER USED	TOTAL WATER	
	WATER	FINISHED	FOR LINE	PUMPED AND	WATER SOLD
	PURCHASED	WATER PUMPED	FLUSHING,	PURCHASED	то
	FOR RESALE	FROM WELLS	FIGHTING	(Omit 000's)	CUSTOMERS
MONTH	(Omit 000's)	(Omit 000's)	FIRES, ETC.	[ (b)+(c)-(d) ]	(Omit 000's)
(a)	(b)	(c)	(d)	(e)	(f)
January	0	625	0	625	427
February	0	674	0	674	520
March	0	777	0	777	545
April	0	634	0	634	531
May	0	656	0	656	382
June	0	613	0	613	423
July					System Sold
August					
September					
October					
November					
December					
Total for year	0	3,980	0	3,980	2,827

Makan ia m.mahaaad fa.		_
· ·	resale, indicate the following	<b>j</b> :
Vendor	N/A	
Point of delivery	N/A	
If water is sold to other	water utilities for redistributio	n, list names of such utilities below:
N/A		,,
		•

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

# UTILITY NAME: FLORIDA WATER SERVICES SYSTEM NAME / COUNTY: EAST LAKE HARRIS ESTATES / LAKE #557

YEAR OF REPORT June 30, 2004

## WATER TREATMENT PLANT INFORMATION

Provide a separate sheet for each water treatment facility

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

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

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

#### **CALCULATION OF THE WATER SYSTEMS METER EQUIVALENTS**

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	176	176
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
Tota	al Residential Water System Meter Equ	ivalents	177	179

## CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL CONNECTION

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

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

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

Calculations: (a)		Average		
	SFR Gallons Sold	Customers	Days	ERC
	2,823,233	173	181	90
•				

## CALCULATION OF THE WATER SYSTEMS METER EQUIVALENTS

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
<b>4</b> "	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
Tota	al Commercial Water System Meter Equ	ivalents	1	. 1

### OTHER WATER SYSTEM INFORMATION

Furnish information below for each system. Asepara	ate page should be supplied wher	e necessary.
1. Present ERC's * that system can efficiently serve	)	173
2. Maximum number of ERCs * which can be served	d **	799
3. Present system connection capacity (in ERCs *) u	using existing lines.	206
4. Future connection capacity (in ERCs *) upon serv	vice area buildout.	206
5. Estimated annual increase in ERCs *.	System Sold	
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	
Describe any plans and estimated completion da System under new ownership, sold 06/30/2004		ovements of this system.
<ul><li>9. When did the company last file a capacity analys</li><li>10. If the present system does not meet the require</li></ul>	·	N/A N/A
a. Attach a description of the plant upgrade nec	essary to meet the DIP rules.	
b. Have these plans been approved by DEP?		
c. When will construction begin?		
d. Attach plans for funding the required upgradi	ng.	
e. Is this system under any Consent Order with	DEP?	
11. Department of Environmental Protection ID #.	3350322	
12. Water Management District Consumptive Use R	èrmit #	2607
a. Is the system in compliance with the requirer	ments of the CUP	Yes,
<ul> <li>b. If not, what are the utility's plans to gain com withdrawal quantities are dynamic and may fluct</li> </ul>	•	It should be noted that during the duration of
the permit. Permits are reviewed peridically to a		
water management district.		

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

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

## **PUMPING AND PURCHASED WATER STATISTICS**

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	1,221	0	0	1,221	1,172
February	1,161	0	0	1,161	1,040
March	1,317	0	0	1,317	1,080
April	1,490	0	0	1,490	1,383
May	1,655	0	0	1,655	1,304
June	1,299	0	0	1,299	1,472
July					System Sold
August				111111111	
September					
October					
November					
December					
Total for year	8,142	0	0	. 8,142	7,451

If water is purchased for re	esale, indicate the following:
Vendor	City of Altamonte Springs
Point of delivery	4 X 1 inch Neptune compound meter
	ter utilities for redistribution, list names of such utilities below:
	ter utilities for redistribution, list names of such utilities below:
If water is sold to other wa N/A	ter utilities for redistribution, list names of such utilities below:

	CAPACITY OF WELL	GALLONS PER DAY	TYPE OF
List for each source of supply:	gpm	FROM SOURCE	SOURCE
Interconnected with city of Atamonte Springs			

## WATER TREATMENT PLANT INFORMATION

Provide a separate sheet for each water treatment facility

Capacity of Plant (GPD):	* Interconnected with Atamonte Springs	
Location of measurement		
(i.e. WellHead, Storage Tank):	N/A	
Type of treatment (reverse osmosis,		
(sedimentation, chemical, aerated, etc,	: N/A	
L	IME TREATMENT	
L Unit rating (i.e., GPM, pounds	IME TREATMENT	
Unit rating (i.e., CPM, pounds	IME TREATMENT  Manufacturer:	
Unit rating (i.e., CPM, pounds		
Unit rating (i.e., GPM, pounds per gallon): N/A	Manufacturer:	
Unit rating (i.e., GPM, pounds per gallon): N/A Type and size of area:	Manufacturer:	

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

METER SIZE (a)	TYPE OF METER* (b)	EQUIVALENT FACTOR (c)	NUMBER OF METERS (d)	TOTAL NUMBER OF METER EQUIVALENTS (c x d) (e)
(4)	(5)	(6)	**	(6)
5/8"	Displacement	1.0	173	173
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
Tot	al Residential Water System Meter Equ	ivalents	173	173

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

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

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

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

Calculations: (a)		Average		
	SFR Gallons Sold	Customers	Days	ERC
	6,342,197	170	181	206
•				

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	2	5
1 1/2"	Displacement or Turbine	5.0	1	5
2"	Displacement, Compound or Turbine	8.0	0	0
3"	Displacement	15.0	0	0
3"	Compound	16.0	0	0
3"	Turbine	17.5	0	0
4"	Displacement or Compound	25.0	. 0	0
4"	Turbine	30.0	0	0
6"	Displacement or Compound	50.0	0	0
6"	Turbine	62.5	0	0
8"	Compound	80.0	0	0
8"	Turbine	90.0	0	0
10"	Compound	115.0	0	0
10"	Turbine	145.0	0	0
12"	Turbine	215.0	0	0
Tota	al Commercial Water System Meter Equ	ivalents	14	21

#### OTHER WATER SYSTEM INFORMATION

Present ERC's * that system can efficiently serve.	170
Maximum number of ⊞Cs * which can be served **	N/A
Present system connection capacity (in ERCs *) using e	existing lines. 186
. Future connection capacity (in ERCs *) upon service ar	ea buildout, 186
. Estimated annual increase in ERCs *.	System Sold
If so, how much capacity is required?	
. Attach a description of the fire fighting facilities. N/A	3
Describe any plans and estimated completion dates fo System under new ownership, sold 06/30/2004	r any enlargements or improvements of this system.
. When did the company last file a capacity analysis rep	ort with the DP? N/A
If the present system does not meet the requirements	of the DP rules: N/A
a. Attach a description of the plant upgrade necessar	y to meet the DIP rules.
b. Have these plans been approved by DEP?	
b. Trave these plans been approved by bu :	
c. When will construction begin?	
c. When will construction begin?	•
c. When will construction begin?  d. Attach plans for funding the required upgrading.	3590368
c. When will construction begin?  d. Attach plans for funding the required upgrading.  e. Is this system under any Consent Oder with DEP?	
c. When will construction begin?  d. Attach plans for funding the required upgrading.  e. Is this system under any Consent Oder with DEP?  1. Department of Environmental Protection ID #.	N/A

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

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

## **PUMPING AND PURCHASED WATER STATISTICS**

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	1,122	0	1,122	93
February	0	1,067	0	1,067	72
March	0	1,357	0	1,357	70
April	0	1,422	0	1,422	99
May	0	1,507	0	1,507	1,24
June	0	1,240	0	1,240	1,30
July					System Sold
August					
September					
October					
November					
December					
Total for year	0	7,715	0	7,715	5,9

If water is purchased for re	esale, indicate the follo	wing:				
Vendor	N/A					
Point of delivery	N/A					
If water is sold to other wa	iter utilities for redistrib	ution, list names o	of such utilities	below:	,	

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
LIME	TREATMENT
Unit rating (i.e., GPM, pounds	
Unit rating (i.e., GPM, pounds per gallon): N/A	Manufacturer:
per gallon): N/A	Manufacturer:
per gallon): N/A	
per gallon): N/A	

\* Well

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	125	125
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
6ª	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
Tot	al Residential Water System Meter Equ	ivalents	127	136

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

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

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

Calculations: (a)		Average		
	SFR Gallons Sold	Customers	Days	ERC
	5,904,320	125	181	261

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
Tota	al Commercial Water System Meter Equ	ivalents	0	0

#### OTHER WATER SYSTEM INFORMATION

Fui	rnish information below for each system. Asepara	te page should be supplied where	necessary.
1.	Present ERC's * that system can efficiently serve.		125
2.	Maximum number of ⊞Cs * which can be served	248	
3.	Present system connection capacity (in ERCs *) us	125	
4.	Future connection capacity (in 田Cs *) upon servi	125	
5.	Estimated annual increase in ERCs *.	System Sold	
6.	Is the utility required to have fire flow capacity?  If so, how much capacity is required?	No	A 10
7.	Attach a description of the fire fighting facilities.	N/A	
8.	Describe any plans and estimated completion dat System under new ownership, sold 06/30/2004	tes for any enlargements or impro	vements of this system.
	When did the company last file a capacity analysi		N/A
	a. Attach a description of the plant upgrade nece	essary to meet the DIP rules.	
	b. Have these plans been approved by D⊞?		W.
	c. When will construction begin?		
	d. Attach plans for funding the required upgrading	ng.	
	e. Is this system under any Consent Oder with I	DEP?	
11.	Department of Environmental Protection ID #.	3350370	
12.	Water Management District Consumptive Use Re	ermit #	2611
	a. Is the system in compliance with the requiren	nents of the CUP	Yes,
	b. If not, what are the utility's plans to gain computithdrawal quantities are dynamic and may fluct the permit. Permits are reviewed peridically to a water management district.	uate beyond permitted quantities	
	mator managomora diodiot.		

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

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

# UTILITY NAME: FLORIDA WATER SERVICES

SYSTEM NAME / COUNTY: FLORIDA CENTRAL COMMERCE / SEMINOLE #340

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	C
	Total Residential Wastewater Sys	tem Meter Equiva	lents	C

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

For wastewater only utilities:

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

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

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

Calculations:	Average		
SFR Gallons Sold	Customers	Days	ERC
7,739,030	53	181	807
* This system only has commerci	ial customers		

S-11a 20340 SYSTEM 1

UTILITY NAME: FLORIDA WATER SERVICES
SYSTEM NAME / COUNTY: FLORIDA CENTRAL COMMERCE /
SEMINOLE #340

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	36	36
3/4"	Displacement	1.5	5	. 8
1"	Displacement	2.5	13	33
1 1/2"	Displacement or Turbine	5.0	7	35
2"	Displacement, Compound or Turb	8.0	7	56
3"	Displacement	15.0	0	0
3"	Compound	16.0	0	0
3"	Turbine	17.5	0	0
4"	Displacement or Compound	25.0	0	0
4"	Turbine	30	1	30
6"	Displacement or Compound	50.0	0	0
6"	Turbine	62.5	0	0
8"	Compound	80.0	0	0
8"	Turbine	90.0	0	0
10"	Compound	115.0	0	0
10"	Turbine	145.0	0	0
12"	Turbine	215.0	0	0
•	Total Commercial Wastewater Sys	tem Meter Equiva	alents	197

S-11b 20340 SYSTEM 1 **UTILITY NAME: FLORIDA WATER SERVICES** 

SYSTEM NAME / COUNTY: FLORIDA CENTRAL COMMERCE /

YEAR OF REPORT June 30, 2004

#### **SEMINOLE #340**

TREATMENT PLANT

Provide a separate sheet for each wastewater treatment facility					
Permitted Capacity (gpd)	95,000				
Basis of Permit Capacity (1)	AADF	-			
Manufacturer	FL. ENVIROMENTA	L			
Type (2)	Extended Aeration				
Hydraulic Capacity (gpd)	95,000				
Average Daily Flow (mgd)	0.057	(Average of Max Month)			
Total Gallons of WW Treated (mg)	9.042				
Method of Effluent Disposal	Spray Irrigation, wet	weather storage pond			

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

# UTILITY NAME: FLORIDA WATER SERVICES SYSTEM NAME / COUNTY: FLORIDA CENTRAL COMMERCE /

YEAR OF REPORT June 30, 2004

# SEMINOLE #340 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. 53
2. Maximum number of ERC's * which can be served.  ** Note: SFR gallons sold is not representative of total ww flow at plant.  ** Note: SFR gallons sold is not representative of total ww flow at plant.
3. Present system connection capacity (in ERCs*) using existing lines. 61
4. Future connection capacity (in ERCs*) upon service area buildout.*** 69
5. Estimated annual increase in ERCs* System Sold
6. Describe any plans and estimate completion dates for any enlargements or improvements of this system.  System under new ownership, sold 06/30/2004
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?
If so, when?  9. Has the utility been required by DEP or water management district to implement reuse?  No
9. Has the utility been required by DEP or water management district to implement reuse? No
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-02  11. If the present system does not meet the requirements of DEP rules:  N/A
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-02  11. If the present system does not meet the requirements of DEP rules:  Attach a description of the plant upgrade necessary to meet the DEP rules.  b. Have these plans been approved by DEP?
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-02  11. If the present system does not meet the requirements of DEP rules:  Attach a description of the plant upgrade necessary to meet the DEP rules.
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-02  11. If the present system does not meet the requirements of DEP rules:  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?

S-13 20340 SYSTEM 1

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

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

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

SYSTEM IS INTERCONNECTED WITH EAST LAKE HARRIS

MONTH	WATER PURCHASED FOR RESALE (Omit 000's) (b)	FINISHED WATER PUMPED FROM WELLS (Omit 000's) (c)	WATER USED FOR LINE FLUSHING, FIGHTING FIRES, ETC. (d)	TOTAL WATER PUMPED AND PURCHASED (Omit 000's) [ (b)+(c)-(d) ] (e)	WATER SOLD TO CUSTOMERS (Omit 000's) (f)
January	0	65	0	65	194
February	0	1	0	1	94
March	0	6	0	6	118
April	0	2	0	2	121
May	0	1	0	1	103
June	0	0	0	0	147
July					System Sold
August					
September					
October					
November					
December					
Total for year	Total Sold here to	or Friendly Center of	_	75	777

If water is purchased for re	esale, indicate the followi	ng:		
Vendor	, N/A	J		
Point of delivery	N/A			
If water is sold to other wa N/A	ater utilities for redistributi	ion, list names of such utilitie	es below:	

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	
1	LIME TREATMENT	
	LIME TREATMENT	
Unit rating (i.e., GPM, pounds	LIME TREATMENT  Manufacture	or:
Unit rating (i.e., GPM, pounds		or:
Unit rating (i.e., GPM, pounds	Manufacture	o <b>r:</b>
Unit rating (i.e., ŒM, pounds per gallon): N/A	Manufacture	

<sup>\*</sup> Wells

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

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	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 Turbine	8.0	0	0
3"	Displacement	15.0	0	0
3"	Compound	16.0	0	0
<b>3</b> "	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
Tot	tal Residential Water System Meter Equ	ivalente	27	27

## CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL CONNECTION

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

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

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

Calculations: (a)		Average		
`,'	SFR Gallons Sold	Customers	Days	ERC
	564,281	27	181	115
•				

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	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
Tota	al Commercial Water System Meter Equ	rivalents	3	3

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

urnish information below for each system. Asepara	ate page should be supplied wh	nere necessary.
Present ERC's * that system can efficiently serve.		27
Maximum number of ERCs * which can be served	312	
Present system connection capacity (in ERCs *) using existing lines.		41
Future connection capacity (in ERCs *) upon servi	Tuture connection capacity (in 田Cs *) upon service area buildout.	
Estimated annual increase in ERCs *.	System Sold	
Is the utility required to have fire flow capacity?  If so, how much capacity is required?	No	
Attach a description of the fire fighting facilities.	N/A	
Describe any plans and estimated completion date System under new ownership, sold 06/30/2004		provements of this system.
. When did the company last file a capacity analysi	is report with the DE?	N/A
). If the present system does not meet the requiren	nents of the DIP rules:	N/A
a. Attach a description of the plant upgrade nece	essary to meet the DIP rules.	
b. Have these plans been approved by DEP?		
c. When will construction begin?		•
d. Attach plans for funding the required upgradir	ng.	
e. Is this system under any Consent Oder with D	DEP?	
. Department of Environmental Protection ID #.	3350426	
2. Water Management District Consumptive Use Re	ermit #	N/A
a. Is the system in compliance with the requirem	nents of the CUP	
b. If not, what are the utility's plans to gain comp	pliance?	

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

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

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

	WATER PÜRCHASED FOR RESALE	FINISHED WATER PUMPED FROM WELLS	FOR LINE FLUSHING, FIGHTING	TOTAL WATER PUMPED AND PURCHASED (Omit 000's)	WATER SOLD TO CUSTOMERS
MONTH	(Omit 000's)	(Omit 000's)	FIRES, ETC.	[ (b)+(c)-(d) ]	(Omit 000's)
(a)	(b)	(c)	(d)	(e)	(f)
January	0	1,829	297	1,531	1,57
February	0	1,489	43	1,446	1,24
March	0	1,735	0	1,735	1,24
April	0	2,121	99	2,022	1,74
May	0	2,277	265	2,012	1,62
June	0	1,688	43	1,645	1,75
July					System Sold
August					
September					
October			_		
November					
December					1
Total for year	0	11,139	747	10,392	9,17

If water is purchased for re	sale, indicate the following	g:		
Vendor	N/A			
Point of delivery	N/A			
If water is sold to other wa	ater utilities for redistributio	n, list names of suct	n utilities below:	
N/A				

	CAPACITY OF WELL	GALLONS PER DAY	TYPE OF
List for each source of supply:	gpm	FROM SOURCE	SOURCE
Well #1	200	288,000	Deep Well
Well # 2	70	100,800	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	
Lin	ME TREATMENT	
LiM Unit rating (i.e., CPM, pounds	ME TREATMENT	
Unit rating (i.e., CPM, pounds	ME TREATMENT  Manufacture	r:
Unit rating (i.e., CPM, pounds per gallon): N/A		or:
Unit rating (i.e., ŒM, pounds per gallon): N/A	Manufacture	vr:
Unit rating (i.e., CPM, pounds per gallon): N/A Type and size of area:	Manufacture	

<sup>\*</sup> Wells

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	160	160
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 Turbine	8.0	1	8
3 <sup>u</sup>	Displacement	15.0	0	0
3"	Compound	16.0	0	0
3"	Turbine	17.5	0	0
<b>4</b> "	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
Tot	al Residential Water System Meter Equ	ivalents	164	176

### CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL CONNECTION

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

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

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

Calculations: (a)		Average		
	SFR Gallons Sold	Customers	Days	ERC
	8,123,331	160	181	281

## **CALCULATION OF THE WATER SYSTEMS METER EQUIVALENTS**

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	21	21
3/4"	Displacement	1.5	0	0
1"	Displacement	2.5	4	10
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	* O	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
Tota	al Commercial Water System Meter Equ	ıivalents	27	47

#### OTHER WATER SYSTEM INFORMATION

Furnish information below for each system. Aseparate page should be supplied whe	ere necessary.
Present ERC's * that system can efficiently serve.	160
2. Maximum number of ERCs * which can be served **	90
3. Present system connection capacity (in IRCs *) using existing lines.	190
4. Future connection capacity (in 田Cs *) upon service area buildout.	200
5. Estimated annual increase in ERCs *. System Sold	
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.	
Describe any plans and estimated completion dates for any enlargements or imp System under new ownership, sold 06/30/2004 , ,	rovements of this system.
<ul><li>9. When did the company last file a capacity analysis report with the DP?</li><li>10. If the present system does not meet the requirements of the DP rules:</li></ul>	N/A N/A
a. Attach a description of the plant upgrade necessary to meet the DIP 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 #. 6530079	
12. Water Management District Consumptive Use Permit #	209336.01
a. Is the system in compliance with the requirements of the CUP	Yes,
b. If not, what are the utility's plans to gain compliance?	It should be noted that
withdrawal quantities are dynamic and may fluctuate beyond permitted quantities	
the permit. Permits are reviewed peridically to ascertain whether modifications r water management district.	need to be filed with the
management dienen	

 $<sup>\</sup>ensuremath{^{\star}}$  An ERC is determined based on the calculation on W-13

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

## **PUMPING AND PURCHASED WATER STATISTICS**

			WATER USED	TOTAL WATER	
	WATER	FINISHED	FOR LINE	PUMPED AND	WATER SOLD
	PURCHASED	WATER PUMPED	FLUSHING,	PURCHASED	ТО
	FOR RESALE	FROM WELLS	FIGHTING	(Omit 000's)	CUSTOMERS
MONTH	(Omit 000's)	(Omit 000's)	FIRES, ETC.	[ (b)+(c)-(d) ]	(Omit 000's)
(a)	(b)	(c)	(d)	(e)	(f)
January	0	872	0	872	724
February	0	885	0	885	749
March	0	1,449	0	1,449	717
April	0	1,802	0	1,802	1,363
Мау	0	1,673	0	1,673	1,294
June	0	1,287	0	1,287	1,354
July					System Sold
August					
September					
October					· ·
November					
December					
Total for year	0	7,968	0	7,968	6,20°

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

List for each source of supply:	CAPACITY OF WELL gpm	GALLONS PER DAY FROM SOURCE	TYPE OF SOURCE
Well #1	600	864,000	Deep Well
1.14			

# WATER TREATMENT PLANT INFORMATION

Provide a separate sheet for each water treatment facility

Capacity of Plant (GPD):		* 864,000	(Peak Hour)
Location of measurement			
(l.e. WellHead, Storage Tank):		WellHead and/or l	Distribution
Type of treatment (reverse osmos	is,		
(sedimentation, chemical, aerated	i, etc,):	Chlorination	
	LIMETI	REATMENT	
Unit rating (i.e., ŒM, pounds			
per gallon): N/A		Manufacturer	
	FILT	RATION	
Type and size of area:	FILT	RATION	
Type and size of area: Pressure (in square feet):	FILT N/A	RATION  Manufacturer	:

<sup>\*</sup> Well

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 ,	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
Tot	al Residential Water System Meter Equ	ivalents	113	127

# CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL CONNECTION

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

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

Calculations: (a)		Average		
	SFR Gallons Sold	Customers	Days	ERC
	6,200,950	112	181	306

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
Tota	al Commercial Water System Meter Equ	ivalents	0	0

#### OTHER WATER SYSTEM INFORMATION

Furnish information below for each system. Aseparat	e page should be supplied wher	e necessary.		
Present ERC's * that system can efficiently serve.		112		
2. Maximum number of ⊞Cs * which can be served	706			
3. Present system connection capacity (in IRCs *) us	ing existing lines.	105		
4. Future connection capacity (in ERCs *) upon service	ee area buildout.	105		
5. Estimated annual increase in ⊞Cs *.	mated annual increase in ERCs *. System Sold			
Is the utility required to have fire flow capacity?  If so, how much capacity is required?	Yes 500 gpm			
7. Attach a description of the fire fighting facilities.				
Describe any plans and estimated completion date System under new ownership, sold 06/30/2004	es for any enlargements or impro	ovements of this system.		
9. When did the company last file a capacity analysis	report with the DP?	N/A		
10. If the present system does not meet the requirem	ents of the DP rules:	N/A		
a. Attach a description of the plant upgrade neces	ssary to meet the DIP rules.			
b. Have these plans been approved by D⊞?				
c. When will construction begin?				
d. Attach plans for funding the required upgrading	<b>J</b> .			
e. Is this system under any Consent Order with D	EP?			
11. Department of Environmental Protection ID #.	3354697			
12. Water Management District Consumptive Use Per	mit#	2488		
a. Is the system in compliance with the requirement	ents of the CUP	Yes,		
<ul> <li>b. If not, what are the utility's plans to gain compl withdrawal quantities are dynamic and may fluctu- the permit. Permits are reviewed peridically to as water management district.</li> </ul>	ate beyond permitted quantities			

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

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

## **PUMPING AND PURCHASED WATER STATISTICS**

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	384	0	385	387
February	2	348	40	311	312
March	1	397	40	358	372
April	5	466	0	471	431
May	0	700	0	700	480
June	9	619	0	628	640
July					System Sold
August					
September					
October					
November					
December					
Total for year	19	2,914	80	2,853	2,622

y of Altamonte Springs
Precision meter at Magnolia St.
or redistribution, list names of such utilities below:
)

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

YEAR OF REPORT June 30, 2004

# WATER TREATMENT PLANT INFORMATION

Provide a separate sheet for each water treatment facility

Capacity of Plant (GPD):	* 432,000 (Peak Hour)	
Location of measurement		
(I.e. WellHead, Storage Tank):	WellHead and/or Distribution	
Type of treatment (reverse osmosis,		
(sedimentation, chemical, aerated, etc.):	Chlorination	
LIF	ME TREATMENT	
Unit rating (i.e., GPM, pounds		
, , , , , , , , , , , ,		
• • • •	Manufacturer:	
• • • •	Manufacturer:  FILTRATION	
• • • •		
per gallon): N/A Type and size of area:		

<sup>\*</sup> Well

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

## CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL CONNECTION

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

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

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

Calculations: (a)		Average		
	SFR Gallons Sold	Customers	Days	ERC
	2,621,840	60	181	241

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
Tota	al Commercial Water System Meter Equ	ivalents	0	0

W-13b GROUP 10326 SYSTEM 1

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

Fu	rnish information below for each system. Asepara	te page should be supplied where	e necessary.
1.	Present ERC's * that system can efficiently serve.		60
2.	Maximum number of ⊞Cs * which can be served	**	447
3.	Present system connection capacity (in ERCs *) us	60	
4.	Future connection capacity (in ERCs *) upon servi	60	
5.	Estimated annual increase in ERCs *.	System Sold	
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 dat System under new ownership, sold 06/30/2004	es for any enlargements or impro	vements of this system.
9.	When did the company last file a capacity analysi	s report with the DP?	N/A
10.	If the present system does not meet the requirem	nents of the DP rules:	N/A
	a. Attach a description of the plant upgrade nece	essary to meet the DIP rules.	
	b. Have these plans been approved by DIP?		
	c. When will construction begin?		
	d. Attach plans for funding the required upgradin	g.	
	e. Is this system under any Consent Order with D	EP?	·
11.	Department of Environmental Protection ID #.	3590497	
12.	Water Management District Consumptive Use Ren	rmit #	8357
	a. Is the system in compliance with the requirem	ents of the CUP	Yes,
	<ul> <li>b. If not, what are the utility's plans to gain comp withdrawal quantities are dynamic and may fluctu- the permit. Permits are reviewed peridically to as water management district.</li> </ul>	uate beyond permitted quantities o	
ĺ			

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

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

YEAR OF REPORT June 30, 2004

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

## **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	822	24	798	677
February	0	721	4	717	630
March	0	769	4	766	644
April	0	806	0	806	761
May	0	795	0	795	894
June	0	771	0	771	872
July					System Sold
August					
September					
October					
November					
December					
Total for year	0	4,684	31	4,653	4,478

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

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

YEAR OF REPORT June 30, 2004

ST. JOHNS HIGHLANDS / PUTNAM #471

# WATER TREATMENT PLANT INFORMATION

Provide a separate sheet for each water treatment facility

Capacity of Plant (GPD):	* 230,400 (Reliable Peak Hour 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
LI	ME TREATMENT
	ME TREATMENT
Unit rating (i.e., ŒM, pounds	ME TREATMENT  Manufacturer:
Unit rating (i.e., CPM, pounds	
Unit rating (i.e., CPM, pounds per gallon): N/A	Manufacturer:
Unit rating (i.e., GPM, pounds per gallon):  N/A  Type and size of area:	Manufacturer:

<sup>\*</sup> High Service

ST. JOHNS HIGHLANDS / PUTNAM #471

# **CALCULATION OF THE WATER SYSTEMS METER EQUIVALENTS**

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	284	284
3/4"	Displacement	1.5	0	0
1 <sup>11</sup>	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
Tota	al Residential Water System Meter Equi	ivalents	284	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 = ( Total SFR gallons sold (Omit 000) / 365 days / 350 gallons per day )

	Average		
SFR Gallons Sold	Customers	Days	ERC
4,329,020	272	181	88
		SFR Gallons Sold Customers	SFR Gallons Sold Customers Days

ST. JOHNS HIGHLANDS / PUTNAM #471

## **CALCULATION OF THE WATER SYSTEMS METER EQUIVALENTS**

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
Tota	al Commercial Water System Meter Equ	ivalents	1	1

W-13b GROUP 10438 SYSTEM 1

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

## OTHER WATER SYSTEM INFORMATION

Fu	rnish information below for each system. Asepara	ate page should be supplied whe	re necessary.
1.	Present ERC's * that system can efficiently serve.		272
2.	Maximum number of ERCs * which can be served	**	655
3.	Present system connection capacity (in ERCs *) u	417	
4.	Future connection capacity (in ERCs *) upon servi	491	
5.	Estimated annual increase in ERCs *.	System Sold	
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 dat System under new ownership, sold 06/30/2004	rovements of this system.	
		·	
9.	When did the company last file a capacity analysi	is report with the DP?	N/A
10.	If the present system does not meet the requiren	nents of the DP rules:	
	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 #.	2540482	
12.	Water Management District Consumptive Use Re	rmit #	N/A
	a. Is the system in compliance with the requirem	nents of the CUP	
	b. If not, what are the utility's plans to gain comp	oliance?	

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

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

## **PUMPING AND PURCHASED WATER STATISTICS**

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	640	0	640	518
February	0	567	0	567	449
March	0	672	0	672	431
April	0	663	0	663	611
May	0	750	0	750	537
June	0	658	0	658	682
July					System Sold
August September October					
November December					
Total for year	0	3,949	0	3,949	3,228

If water is purchased for re	resale, indicate the following:	
Vendor	N/A	
Point of delivery	N/A	
	vater utilities for redistribution, list names of such utilities below:	
N/A		

	CAPACITY OF WELL	GALLONS PER DAY	TYPE OF
List for each source of supply:	gpm	FROM SOURCE	SOURCE
Well #1	175	252,000	Deep Well
Well # 2	150	216,000	Deep Well
			200 x 10 777 /r

YEAR OF REPORT June 30, 2004

# WATER TREATMENT PLANT INFORMATION

Provide a separate sheet for each water treatment facility

Capacity of Plant	(GPD):	* 216,000	(Reliable Peak Hour)
Location of meas	urement		
(I.e. WellHead, St	orage Tank):	WellHead and/or	Distribution
Type of treatment	t (reverse osmosis,		
(sedimentation, c	chemical, aerated, etc,):	Chlorination	
	LIME	TREATMENT	
Unit rating (i.e., 0		TREATMENT	
• • •		TREATMENT  Manufacturer	:
Unit rating (i.e., 0	<b>₽M,</b> pounds N/A		:
• • •	PM, pounds N/A Fi	Manufacturer	:
per gallon):	₽M, pounds N/A Fi area:	Manufacturer LTRATION	

<sup>\*</sup> Wells

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	105	105
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
Tot	al Residential Water System Meter Equ	ivalents	105	105

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

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

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

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

Calculations: (a)		Average		
	SFR Gallons Sold	Customers	Days	ERC
	3,220,686	95	181	187

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 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 <sup>n</sup>	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
Tota	al Commercial Water System Meter Equ	livalents	1	8

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

Furnish information below for each system. Asepara	te page should be supplied where	necessary.	
Present ERC's * that system can efficiently serve.		95	
2. Maximum number of ERCs * which can be served	**	288	
3. Present system connection capacity (in ERCs *) u	sing existing lines.	105	
4. Future connection capacity (in ERCs *) upon servi	re connection capacity (in ERCs *) upon service area buildout.		
5. Estimated annual increase in ⊞Cs *.	System Sold		
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		
Describe any plans and estimated completion dat System under new ownership, sold 06/30/2004	es for any enlargements or impro	vements of this system.	
9. When did the company last file a capacity analysi 10. If the present system does not meet the requirem	·	N/A	
a. Attach a description of the plant upgrade nece			
<ul><li>b. Have these plans been approved by DEP?</li><li>c. When will construction begin?</li></ul>		•	
d. Attach plans for funding the required upgradin	g.		
e. Is this system under any Consent Oder with D	DEP?		
11. Department of Environmental Protection ID #.	3350544	*	
12. Water Management District Consumptive Use Re	rmit #	2613	
a. Is the system in compliance with the requirem	ents of the CUP	Yes,	
<ul> <li>b. If not, what are the utility's plans to gain comp withdrawal quantities are dynamic and may fluctu- the permit. Permits are reviewed peridically to as water management district.</li> </ul>	uate beyond permitted quantities o		

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

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

## **PUMPING AND PURCHASED WATER STATISTICS**

MONTH (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	499	0	1	499	405
February	699	0	1	698	391
March	515	0	1	514	401
April	533	0	1	532	415
May	559	0	1	558	464
June	436	0	1	435	484
July					System Sold
August					
September					
October					
November				7-11-7	
December				:	
Total for year	3,240	0	6	3,235	2,560
				,	

in water is purchased for re	esale, indicate the following:
Vendor	Astor-Astor Park Water Association
Point of delivery	4" Compound Meter @ 55802 Fern Road
If water is sold to other wat	ter utilities for redistribution, list names of such utilities below:

	CAPACITY OF WELL	GALLONS PER DAY	TYPE OF
List for each source of supply:	gpm	FROM SOURCE	SOURCE
Interconnected with Astor			

YEAR OF REPORT June 30, 2004

## WATER TREATMENT PLANT INFORMATION

Provide a separate sheet for each water treatment facility

Capacity of Plant	(GPD):	Interd	onnected with A	stor	
Location of meas	urement				
(i.e. WellHead, St	orage Tank):	Frank Visit	N/A		
Type of treatment	t (reverse osmosis,			•	
(sedimentation, c	hemical, aerated, etc	;,): 	N/A		
		LIME TREATME	NT		
Unit rating (i.e., C		LIME TREATME	<b>NT</b>		
• • •			NT anufacturer:		
• • •	₽M, pounds				
per gallon):	PM, pounds N/A	M:			
• • •	PM, pounds N/A area:	M: FILTRATION			

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	125	125
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
Tota	al Residential Water System Meter Equ	ivalents	125	125

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

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

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

Calculations: (a)		Average		
	SFR Gallons Sold	Customers	Days	ERC
	2,460,450	120	181	113

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	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
Tota	al Commercial Water System Meter Equ	ivalents	2	4

W-13b GROUP 10573 SYSTEM 1

## OTHER WATER SYSTEM INFORMATION

Fι	rnish information below for each system. Aseparat	te page should be supplied whe	re necessary.
1.	Present ERC's * that system can efficiently serve.		120
2.	Maximum number of ⊞Cs * which can be served	**	N/A
3.	Present system connection capacity (in ERCs *) us	sing existing lines.	195
4.	Future connection capacity (in IRCs *) upon service	ce area buildout.	195
5.	Estimated annual increase in ERCs *.	System Sold	
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 date System under new ownership, sold 06/30/2004	es for any enlargements or impr	ovements of this system.
q	When did the company last file a capacity analysis	s report with the DP2	N/A
		·	
IU.	If the present system does not meet the requirem	ents of the DP rules:	N/A
	a. Attach a description of the plant upgrade neces	ssary to meet the DIP rules.	
	b. Have these plans been approved by D⊞?		
	c. When will construction begin?		
	d. Attach plans for funding the required upgrading	g.	
	e. Is this system under any Consent Order with D	EP?	
1.	Department of Environmental Protection ID #.	3354886	
2.	Water Management District Consumptive Use Per	mit #	N/A
	a. Is the system in compliance with the requirement	ents of the CUP	
	b. If not, what are the utility's plans to gain compl	liance?	

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

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

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

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	109	109
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
	Total Residential Wastewater Sys	tem Meter Equiva	lents	109

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

For wastewater only utilities:

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

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

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

Calculations:		Average		
	SFR Gallons Sold	Customers	Days	ERC
	1,740,181	103	181	93

S-11a 20573 SYSTEM 1

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

YEAR OF REPORT June 30, 2004

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
•	Total Commercial Wastewater Sys	tem Meter Equiva	llents	4

S-11b 20573 SYSTEM 1 **UTILITY NAME: FLORIDA WATER SERVICES** 

SYSTEM NAME / COUNTY: HOLIDAY HAVEN / LAKE #573

YEAR OF REPORT June 30, 2004

## TREATMENT PLANT

Provide a separate sheet for each wastewater treatment facility

Permitted Capacity (gpd)	25,000	
Basis of Permit Capacity (1)	AADF	-
Manufacturer	DAVCO	
Type (2)	Extended Aeration	
Hydraulic Capacity (gpd)	25,000	
Average Daily Flow (mgd)	0.019 (Average of Max Month)	
Total Gallons of WW Treated (mg)	2.954	
Method of Effluent Disposal	Percolation Pond, Spray Irrigation	

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

(2) Contact stabilization, advanced treatment, etc.

UTILITY NAME: FLORIDA WATER SERVICES SYSTEM NAME / COUNTY: HOLIDAY HAVEN / LAKE #573 YEAR OF REPORT June 30, 2004

# OTHER WASTEWATER SYSTEM INFORMATION

1. Present number of ERC's * now being served.  269 **  Note: SFR gallons sold is not representative of total ww flow at plant.  3. Present system connection capacity (in ERCs*) using existing lines.  4. Future connection capacity (in ERCs*) upon service area buildout.***  5. Estimated annual increase in ERCs*  System Sold  6. Describe any plans and estimate completion dates for any enlargements or improvements of this system. System under new ownership, sold 06/30/2004  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?
*** Note: SFR gallons sold is not representative of total ww flow at plant.  3. Present system connection capacity (in ERCs*) using existing lines.  4. Future connection capacity (in ERCs*) upon service area buildout.***  5. Estimated annual increase in ERCs*  System Sold  6. Describe any plans and estimate completion dates for any enlargements or improvements of this system. System under new ownership, sold 06/30/2004  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
4. Future connection capacity (in ERCs*) upon service area buildout.***  5. Estimated annual increase in ERCs*  System Sold  6. Describe any plans and estimate completion dates for any enlargements or improvements of this system. System under new ownership, sold 06/30/2004  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
5. Estimated annual increase in ERCs* System Sold  6. Describe any plans and estimate completion dates for any enlargements or improvements of this system. System under new ownership, sold 06/30/2004  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
6. Describe any plans and estimate completion dates for any enlargements or improvements of this system.  System under new ownership, sold 06/30/2004  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
System under new ownership, sold 06/30/2004  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
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-04
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 # FLA010655

S-13 20573 SYSTEM 1

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

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

## **PUMPING AND PURCHASED WATER STATISTICS**

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	62	0	62	753
February	0	85	0	85	708
March	0	136	0	136	825
April	0	121	0	121	862
May	0	128	0	128	733
June	0	93	0	93	707
July					System Sold
August					
September		******			
October					
November					
December					
Total for year	0	625	0	625	4,588

f water is purchased for r	sale, indicate the following:	
Vendor	N/A	
Point of delivery	N/A	
f water is sold to other wa	ter utilities for redistribution, list names of such utilities below:	
if water is sold to other wa N/A	ter utilities for redistribution, list names of such utilities below:	
	ter utilities for redistribution, list names of such utilities below:	

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

YEAR OF REPORT June 30, 2004

# WATER TREATMENT PLANT INFORMATION

Provide a separate sheet for each water treatment facility

Capacity of Plant (GPD):	* 132,480	(Reliable Peak Hour)
Location of measurement		
(I.e. WellHead, Storage Tank):	WellHead and/or Dis	tribution
Type of treatment (reverse osmosis,		
(sedimentation, chemical, aerated, etc.):	Chlorination	
LIME 1	FREATMENT	
	FREATMENT	
LIME 1 Unit rating (i.e., GPM, pounds per gallon): N/A	TREATMENT  Manufacturer:	
Unit rating (i.e., GPM, pounds per gallon): N/A		
Unit rating (i.e., GPM, pounds per gallon): N/A	Manufacturer:	·
Unit rating (i.e., GPM, pounds per gallon): N/A	Manufacturer:	·

<sup>\*</sup> Wells

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	245	245
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
Tot	al Residential Water System Meter Equ	ivalents	246	248

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

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

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

Calculations: (a)		Average		
	SFR Gallons Sold	Customers	Days	ERC
	4,587,730	245	181	103

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	<sup>†</sup> 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
Tota	al Commercial Water System Meter Equ	ivalents	0	0

#### OTHER WATER SYSTEM INFORMATION

Furnish information below for each system. Aseparat	te page should be supplied where	necessary.
1. Present ERC's * that system can efficiently serve.		245
2. Maximum number of ERCs * which can be served	***	320
3. Present system connection capacity (in ERCs *) us	sing existing lines.	253
4. Future connection capacity (in ERCs *) upon service	ce area buildout.	253
5. Estimated annual increase in ERCs *.	System Sold	
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	
Describe any plans and estimated completion dat     System under new ownership, sold 06/30/2004	es for any enlargements or improv	ements of this system.
9. When did the company last file a capacity analysi 10. If the present system does not meet the requirem	•	N/A
a. Attach a description of the plant upgrade nece	essary to meet the DIP rules.	
b. Have these plans been approved by D⊞?		
c. When will construction begin?		
d. Attach plans for funding the required upgradin	g.	
e. Is this system under any Consent Order with E	DEP?	
11. Department of Environmental Protection ID #.	3350584	
12. Water Management District Consumptive Use Re	rmit #	4493
a. Is the system in compliance with the requirem	nents of the CUP	Yes,
b. If not, what are the utility's plans to gain comp withdrawal quantities are dynamic and may fluct the permit. Permits are reviewed peridically to a	uate beyond permitted quantities d	
water management district.		

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

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

YEAR OF REPORT June 30, 2004

Data here (page W-11) is total of both Interlachen Lakes 1st. and Park Manor

## **PUMPING AND PURCHASED WATER STATISTICS**

			WATER USED	TOTAL WATER	
	WATER	FINISHED	FOR LINE	PUMPED AND	WATER SOLD
	PURCHASED	WATER PUMPED	FLUSHING,	PURCHASED	то
	FOR RESALE	FROM WELLS	FIGHTING	(Omit 000's)	CUSTOMERS
MONTH	(Omit 000's)	(Omit 000's)	FIRES, ETC.	[ (b)+(c)-(d) ]	(Omit 000's)
(a)	(b)	(c)	(d)	(e)	(f)
January	0	1,081	4	1,077	989
February	0	936	4	932	905
March	0	1,353	4	1,348	983
April	0	1,388	22	1,366	1,332
May	0	1,553	1	1,552	1,220
June	0	1,134	1	1,133	1,318
July					System Sold
August					
September					
October					
November					
December					
Total for year	0	7,445	36	7,409	6,746
				*	

If water is purchased for re	sale, indicate the following	g:			
Vendor	N/A				
Point of delivery	N/A				
If water is sold to other wa	ter utilities for redistribution	n, list names of sucl	h utilities below:		
DATA ABOVE INCLUDES		•			
				•	

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
Well # 2	160	230,400	Deep Well

# WATER TREATMENT PLANT INFORMATION

Provide a separate sheet for each water treatment facility

Capacity of Plant (GPD):		* 273,600	(Reliable Peak Hour)
Location of measurement			
(I.e. WellHead, Storage Tank):		WellHead and/or [	Distribution
Type of treatment (reverse osm	osis,		
(sedimentation, chemical, aerat	ed, etc,):	Chlorination	
	LIMETR	EATMENT	
Unit rating (i.e., GPM, pounds	LIMETR	EATMENT	
Unit rating (i.e., GPM, pounds per gallon): N/A	LIMETR	EATMENT  Manufacturer	:
			:
		<u>Manufacturer</u>	:
P		<u>Manufacturer</u>	

<sup>\*</sup> High Service

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

## **CALCULATION OF THE WATER SYSTEMS METER EQUIVALENTS**

METER SIZE (a)	TYPE OF METER* (b)	EQUIVALENT FACTOR (e)	NUMBER OF METERS (d)	TOTAL NUMBER OF METER EQUIVALENTS (c x d) (e)
5/8"	Displacement	1.0	279	279
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	<sup>†</sup> 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
Tot	tal Residential Water System Meter Equ	ivalents	279	279

## CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL CONNECTION

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

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

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

Calculations: (a)		Average		
	SFR Gallons Sold	Customers	Days	ERC
	6,638,571	268	181	137

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

## CALCULATION OF THE WATER SYSTEMS METER EQUIVALENTS

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	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	00	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
Tot	al Commercial Water System Meter Equ	ivalente	4	8

#### OTHER WATER SYSTEM INFORMATION

Fu	rnish information below for each system. Aseparat	te page should be supplied where	necessary.	
1.	Present ERC's * that system can efficiently serve.		268	
2.	Maximum number of ⊞Cs * which can be served	**	500	
3.	Present system connection capacity (in ⊞Cs *) us	sing existing lines.	366	
4.	Future connection capacity (in ⊞Cs *) upon servi	onnection capacity (in ERCs *) upon service area buildout.		
5.	Estimated annual increase in ERCs *.	System Sold		
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 dat System under new ownership, sold 06/30/2004	es for any enlargements or improv	vements of this system.	
9.	When did the company last file a capacity analysi	is report with the DP?	N/A	
10.	If the present system does not meet the requirement	nents of the DP rules:	N/A	
	a. Attach a description of the plant upgrade nece	essary to meet the DIP rules.		
	b. Have these plans been approved by D⊞?			
	c. When will construction begin?			
	d. Attach plans for funding the required upgradin	ng.		
	e. Is this system under any Consent Oder with E	DEP?		
11.	Department of Environmental Protection ID #.	2540545		
12	. Water Management District Consumptive Use Re	rmit #	7986	
	a. Is the system in compliance with the requirem	nents of the CUP	Yes,	
	b. If not, what are the utility's plans to gain comp withdrawal quantities are dynamic and may fluct	uate beyond permitted quantities d		
	the permit. Permits are reviewed peridically to as	scertain whether modifications nee	ed to be filed with the	
	water management district.			

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

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

# PUMPING AND PURCHASED WATER STATISTICS

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	224	0	0	224	200
February	216	0	1	215	227
March	245	0	1	244	221
April	174	0	1	173	212
May	156	0	1	155	146
June	211	0	1	210	145
July					System Sold
August					
September					
October November					
December					
Total for year	1,226	o	5	1,221	1,15

f water is purchased for re	esale, indicate the following:
Vendor	Astor-Astor Park Water Association
Point of delivery	4 inch Kent Meter @ Juno Trail and Alice Dr.
f water is sold to other wa	ater utilities for redistribution, list names of such utilities below:
f water is sold to other wa N/A	ater utilities for redistribution, list names of such utilities below:
	ater utilities for redistribution, list names of such utilities below:
	ater utilities for redistribution, list names of such utilities below:

List for each source of supply:	CAPACITY OF WELL gpm	GALLONS PER DAY FROM SOURCE	TYPE OF SOURCE
Interconnected with Astor			
<u> </u>			

# WATER TREATMENT PLANT INFORMATION

Provide a separate sheet for each water treatment facility

Capacity of Plant (GPD):	Interconnected with Astor
Location of measurement	
(l.e. WellHead, Storage Tank):	N/A
Type of treatment (reverse osmosis,	
(sedimentation, chemical, aerated, etc.)	: <u>N/A</u>
и	ME TREATMENT
Unit rating (i.e., GPM, pounds	••••
_	ME TREATMENT  Manufacturer:
Unit rating (i.e., GPM, pounds	••••
Unit rating (i.e., GPM, pounds	Manufacturer:
Unit rating (i.e., CPM, pounds per gallon): N/A Type and size of area:	Manufacturer:

W-12 GROUP 11802 SYSTEM 1

## **CALCULATION OF THE WATER SYSTEMS METER EQUIVALENTS**

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	113	113
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
To	tal Residential Water System Meter Equ	ivalents	113	113

## CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL CONNECTION

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

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

Calculations: (a)		Average		
	SFR Gallons Sold	Customers	Days	ERC
	1,137,810	113	181	56
•				

# CALCULATION OF THE WATER SYSTEMS METER EQUIVALENTS

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
З"	Turbine	17.5	0	0
4"	Displacement or Compound	25.0	0	0
4"	Turbine	30.0	<sup>†</sup> 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
Tota	al Commercial Water System Meter Equ	ivalents	1	1

#### OTHER WATER SYSTEM INFORMATION

Fui	nish information below for each system. Asepara	ate page should be supplied whe	re necessary.
1.	Present ERC's * that system can efficiently serve.	***************************************	113
2.	Maximum number of ⊞Cs * which can be served	<b>j **</b>	N/A
3.	Present system connection capacity (in ERCs *) u	sing existing lines.	128
4.	Future connection capacity (in ERCs *) upon serv	ice area buildout.	128
5.	Estimated annual increase in ERCs *.	System Sold	
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 dar System under new ownership, sold 06/30/2004	tes for any enlargements or impi	rovements of this system.
	When did the company last file a capacity analys	·	N/A
10.	If the present system does not meet the requirer	ments of the DP rules:	N/A
	a. Attach a description of the plant upgrade necessary	essary to meet the DIP rules.	•
	b. Have these plans been approved by DIP?		
	c. When will construction begin?		•
	d. Attach plans for funding the required upgradir	ng.	
	e. Is this system under any Consent Oder with I	DEP?	
11.	Department of Environmental Protection ID #.	3644127	
12.	Water Management District Consumptive Use Re	ermit #	N/A
	a. Is the system in compliance with the requiren	nents of the CUP	
	b. If not, what are the utility's plans to gain comp	pliance?	
ı			

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

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

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	135	135
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
	Total Residential Wastewater Sys	tem Meter Equiva	lents	135

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

For wastewater only utilities:

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

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

Calculations:	-	Average		
	SFR Gallons Sold	Customers	Days	ERC
	1,493,110	134	181	62

S-11a 21802 SYSTEM 1

SYSTEM NAME / COUNTY: JUNGLE DEN / VOLUSIA #1802

YEAR OF REPORT June 30, 2004

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	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
	Total Commercial Wastewater Sys	tem Meter Equiva	alents	1

S-11b 21802 SYSTEM 1

SYSTEM NAME / COUNTY: JUNGLE DEN / VOLUSIA #1802

YEAR OF REPORT June 30, 2004

#### TREATMENT PLANT

Provide a separate sheet for each wastewater treatment facility

l Tovide a copa	ate shoot for each meeting.
Permitted Capacity (gpd)	21,000
Basis of Permit Capacity (1)	AADF
Manufacturer	DAVCO
Type (2)	Extended Aeration
Hydraulic Capacity (gpd)	21,000
Average Daily Flow (mgd)	0.020 (Average of Max Month)
Total Gallons of WW Treated (mg)	1.983
Method of Effluent Disposal	Percolation Pond, Spray Irrigation

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

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

SYSTEM NAME / COUNTY: JUNGLE DEN / VOLUSIA #1802

YEAR OF REPORT June 30, 2004

# OTHER WASTEWATER SYSTEM INFORMATION

Furnish information below for each system. A sep	arate page should be supplied where necessary.
Present number of ERC's * now being served.	134
2. Maximum number of ERC's * which can be served.	343 **
** Note: SFR gallons sold is not representative of total ww flow at plant.	
3. Present system connection capacity (in ERCs*) using ex	disting lines. 145
4. Future connection capacity (in ERCs*) upon service area	a buildout.*** 159
5. Estimated annual increase in ERCs* System	Sold
Describe any plans and estimate completion dates for a System under new ownership, sold 06/30/2004	ny enlargements or improvements of this system.
<ul> <li>7. If the utility uses reuse as a means of effluent disposal, of reuse provided to each, if known. N/A</li> <li>8. If the utility does not engage in reuse, has a reuse feasi</li> </ul>	· · · · · · · · · · · · · · · · · · ·
If so, when?	
9. Has the utility been required by DEP or water managem	ent district to implement reuse?
If so, what are the utility's plans to comply wi	th this requirement?
10. When did the company last file a capacity analysis rep	ort with the DEP? June-00
11. If the present system does not meet the requirements a. Attach a description of the plant upgrade b. Have these plans been approved by DEP c. When will construction begin? d. Attach plans for funding the required upgree. Is this system under any Consent Order v	necessary to meet the DEP rules. ? ading.
12. Department of Environmental Protection ID #	FLA011261

S-13 21802 SYSTEM 1

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

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

## **PUMPING AND PURCHASED WATER STATISTICS**

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	306	0	0	306	256
February	299	0	0	299	259
March	364	0	0	364	252
April	495	0	0	495	329
May	473	0	0	473	340
June	361	0	0	361	391
July					System Sold
August					
September					
October					
November December					:
Documber					
Total for year	2,299	0	0	2,299	1,827

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

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

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

YEAR OF REPORT June 30, 2004

## WATER TREATMENT PLANT INFORMATION

Provide a separate sheet for each water treatment facility

Capacity of Plant (GPD):	Interconnected with Brevard County Utilities
Location of measurement	
(i.e. WellHead, Storage Tank):	N/A
Type of treatment (reverse osmosis,	•
(sedimentation, chemical, aerated, etc.):	N/A
LIMI	ETREATMENT
Unit rating (i.e., GPM, pounds	
Unit rating (i.e., GPM, pounds per gallon): N/A	Manufacturer:
per gallon): N/A	Manufacturer:
per gallon): N/A	
per gallon): N/A	ILTRATION

# **CALCULATION OF THE WATER SYSTEMS METER EQUIVALENTS**

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	65	65
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
Tota	al Residential Water System Meter Equi	valents	65	65

# CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL CONNECTION

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

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

Customers 59	<b>Days</b> 181	<b>ERC</b> 171
59	181	171

# CALCULATION OF THE WATER SYSTEMS METER EQUIVALENTS

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
Tota	al Commercial Water System Meter Equ	ivalents	0	0

#### OTHER WATER SYSTEM INFORMATION

Fu	urnish information below for each system. Asepara	te page should be supplied who	эте necessary.
1.	Present ERC's * that system can efficiently serve.		59
2.	Maximum number of ⊞Cs * which can be served	**	N/A
3.	Present system connection capacity (in ⊞Cs *) us	62	
4.	Future connection capacity (in ⊞Cs *) upon service	62	
5.	Estimated annual increase in ERCs *.	System Sold	
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 date System under new ownership, sold 06/30/2004	s for any enlargements or impr	ovements of this system.
	When did the company last file a capacity analysis		N/A
10.	If the present system does not meet the requirement		N/A
	a. Attach a description of the plant upgrade neces	sary to meet the DIP rules.	
	b. Have these plans been approved by D⊞?		
	c. When will construction begin?		
	d. Attach plans for funding the required upgrading	J.	
	e. Is this system under any Consent Order with DE	₽?	
11.	Department of Environmental Protection ID #.	3054101	
12.	Water Management District Consumptive Use Perm	nit #	N/A
	a. Is the system in compliance with the requirement	nts of the CUP	
	b. If not, what are the utility's plans to gain complia	ance?	

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

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

# **PUMPING AND PURCHASED WATER STATISTICS**

MONTH (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	454	0	454	479
February	0	392	40	352	366
March	0	469	40	429	391
April	0	524	0	524	505
May	0	744	0	744	539
June	0	800	0	800	850
July					System Sold
August					
September			,		
October					
November					
December					
Total for year	0	3,383	80	3,303	3,130
,	L			,	

f water is purchased for r	esale, indicate the following:	
Vendor	N/A	
Point of delivery	N/A	
if water is sold to other wa N/A	ater utilities for redistribution, list names of such utilitie	es below:

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 H	our)
Location of measurement		
(I.e. WellHead, Storage Tank):	WellHead and/or Distribution	·
Type of treatment (reverse osmosis,		
(sedimentation, chemical, aerated, etc.):	Chlorination and Aeration	
LiM	TREATMENT	
LiMi Unit rating (i.e., CPM, pounds	ETREATMENT	
	ETREATMENT  Manufacturer:	
Unit rating (i.e., GPM, pounds per gallon): N/A		
Unit rating (i.e., GPM, pounds per gallon): N/A	Manufacturer:	
Unit rating (i.e., GPM, pounds per gallon): N/A	Manufacturer: ILTRATION	

<sup>\*</sup> High Service

#### **CALCULATION OF THE WATER SYSTEMS METER EQUIVALENTS**

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	70	70
3/4"	Displacement	1.5	0	0
1"	Displacement	2.5	0	0
1 1/2"	Displacement or Turbine	5.0	0	0
2"	Displacement, Compound or Turbine	8.0	1	8
3"	Displacement	15.0	0	0
3"	Compound	16.0	0	0
3"	Turbine	17.5	0	00
4"	Displacement or Compound	25.0	0	0
4"	Turbine	30.0	, 0	00
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	00	0
Tot	tal Residential Water System Meter Equ	ivolente	71	78

# CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL CONNECTION

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

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

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

Calculations: (a)		Average		
Calculations. (a)	SFR Gallons Sold	Customers	Days	ERC
	3,130,001	67	181	258

## CALCULATION OF THE WATER SYSTEMS METER EQUIVALENTS

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
Tot	al Commercial Water System Meter Equ	ıivalents	0	o

#### OTHER WATER SYSTEM INFORMATION

Furnish information below for each system. Aseparat	te page should be supplied where r	necessary.
Present ERC's * that system can efficiently serve.	-	67
2. Maximum number of 田Cs * which can be served	**	139
3. Present system connection capacity (in ERCs *) us	sing existing lines.	79
4. Future connection capacity (in ERCs *) upon servi	79	
Estimated annual increase in ERCs *.	System Sold	
If so, how much capacity is required?	No	i
7. Attach a description of the fire fighting facilities.	N/A	
Describe any plans and estimated completion dat System under new ownership, sold 06/30/2004	es for any enlargements or improv	ements of this system.
When did the company last file a capacity analysi	s report with the DE?	N/A
10. If the present system does not meet the requiren	nents of the DP rules:	N/A
a. Attach a description of the plant upgrade nece	essary to meet the DIP rules.	
b. Have these plans been approved by D⊞?		
c. When will construction begin?		
d. Attach plans for funding the required upgradir	ng.	
e. Is this system under any Consent Oder with I	DEP?	
11. Department of Environmental Protection ID #.	3590685	
12. Water Management District Consumptive Use Re	rmit #	8361
a. Is the system in compliance with the requiren	nents of the CUP	Yes,
b. If not, what are the utility's plans to gain comp withdrawal quantities are dynamic and may fluct		It should be noted that uring the duration of
the permit. Permits are reviewed peridically to a		
water management district.		

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

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

## **PUMPING AND PURCHASED WATER STATISTICS**

MONTH	WATER PURCHASED FOR RESALE (Omit 000's)	FINISHED WATER PUMPED FROM WELLS (Omit 000's)	FOR LINE FLUSHING, FIGHTING FIRES, ETC.	PUMPED AND PURCHASED (Omit 000's) [ (b)+(c)-(d) ]	WATER SOLD TO CUSTOMERS (Omit 000's)
(a)	(b)	(c)	(d)	(e)	<b>(f)</b>
January	0	7,070		6,828	6,05
February	0	6,658	799	5,858	5,71
March	0	7,902	164	7,738	5,19
April	0	8,547	872	7,675	6,57
May	0	9,724	157	9,568	6,82
June	0	7,775	277	7,498	7,09
July					System Sold
August					
September					
October					
November					
December					
Total for year	o	47,675	2,510	45,165	37,45

If water is purchased for	resale, indicate the fol	llowina:			
Vendor	N/A	<b>-</b>	-		
Point of delivery	N/A				
If water is sold to other w	rater utilities for redistr	ibution, list nam	es of such utilitie	es below:	,

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

## WATER TREATMENT PLANT INFORMATION

Provide a separate sheet for each water treatment facility

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

<sup>\*</sup> Wells

#### **CALCULATION OF THE WATER SYSTEMS METER EQUIVALENTS**

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	823	823
3/4"	Displacement	1.5	2	3
1"	Displacement	2.5	4	10
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 Residential Water System Meter Equivalents			829	836

# CALCULATION OF THE WATER SYSTEMS EQUIVALENT RESIDENTIAL CONNECTION

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

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

Calculations: (a)		Average		
	SFR Gallons Sold Customers	Days	ERC	
	34,277,857	806	181	235

## CALCULATION OF THE WATER SYSTEMS METER EQUIVALENTS

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	1	2
1"	Displacement	2.5	3	8
1 1/2"	Displacement or Turbine	5.0	1	5
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
<b>4</b> "	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
Tota	Total Commercial Water System Meter Equivalents			49

#### OTHER WATER SYSTEM INFORMATION

Furnish information below for each system. Asepara	te page should be supplied where	necessary.
Present ERC's * that system can efficiently serve.		806
2. Maximum number of ⊞Cs * which can be served	613	
3. Present system connection capacity (in ERCs *) us	814	
4. Future connection capacity (in ERCs *) upon servi	833	
5. Estimated annual increase in ERCs *.	System Sold	
6. Is the utility required to have fire flow capacity?	Yes	
If so, how much capacity is required?	500 gpm	
7. Attach a description of the fire fighting facilities.	See W-14 Exhibit Q-7	
Describe any plans and estimated completion dat System under new ownership, sold 06/30/2004	tes for any enlargements or impro	vements of this system.
9. When did the company last file a capacity analysi 10. If the present system does not meet the requiren	•	N/A
a. Attach a description of the plant upgrade nece	essary to meet the DIP rules.	
b. Have these plans been approved by DIP?		
c. When will construction begin?		
d. Attach plans for funding the required upgradir	ng.	
e. Is this system under any Consent Oder with D	DEP?	
11. Department of Environmental Protection ID #.	6532347	
12. Water Management District Consumptive Use Re	ermit #	207878.02
a. Is the system in compliance with the requirem	nents of the CUP	Yes,
<ul> <li>b. If not, what are the utility's plans to gain comp withdrawal quantities are dynamic and may fluct the permit. Permits are reviewed peridically to a water management district.</li> </ul>	uate beyond permitted quantities	

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

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

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

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	316	316		
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		
	Total Residential Wastewater System Meter Equivalents					

# CALCULATION OF THE WASTEWATER SYSTEMS EQUIVALENT RESIDENTIAL CONNECTIONS

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

- (a) If actual flow data are available from the preceding 12 months, divide the total annual single 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 = ( Total SFR gallons treated (Omit 000) / 365 days / 275 gallons per day )

For wastewater only utilities:

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

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

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

Calculations:		Average		
	SFR Gallons Sold Customers		Days	ERC
	8,823,860 310	310	181	157

S-11a 20210 SYSTEM 1

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

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	2		
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	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	C		
12"	Turbine	215.0	. 0	0		
	Total Commercial Wastewater System Meter Equivalents					

S-11b 20210 SYSTEM 1

SYSTEM NAME / COUNTY: LAKE GIBSON / POLK #210

YEAR OF REPORT June 30, 2004

#### TREATMENT PLANT

Provide a separate sheet for each wastewater treatment facility

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

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

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

<sup>\*</sup> Interconnected with Polk county as of August 2002

UTILITY NAME: FLORIDA WATER SERVICES SYSTEM NAME / COUNTY: LAKE GIBSON / POLK #210 YEAR OF REPORT June 30, 2004

# OTHER WASTEWATER SYSTEM INFORMATION

Furnish information below for each system. A separate page sh	nould be supplied where necessary.
Present number of ERC's * now being served.	310 Interconnected
Maximum number of ERC's * which can be served.  ** Note: SFR gallons sold is not representative of total ww flow at plant.  ** Note: SFR gallons sold is not representative of total ww flow at plant.	**
Present system connection capacity (in ERCs*) using existing lines.	306
4. Future connection capacity (in ERCs*) upon service area buildout.***	306
Estimated annual increase in ERCs*     System Sold	
Describe any plans and estimate completion dates for any enlargement System under new ownership, sold 06/30/2004	its or improvements of this system.
7. If the utility uses reuse as a means of effluent disposal, attach a list of of reuse provided to each, if known.  N/A  8. If the utility does not engage in reuse, has a reuse feasibility study bee	<b>?</b>
If so, when?	
9. Has the utility been required by DEP or water management district to in	mplement reuse? No
If so, what are the utility's plans to comply with this require	ement?
10. When did the company last file a capacity analysis report with the DE	P? April-99
11. If the present system does not meet the requirements of DEP rules:  a. Attach a description of the plant upgrade necessary to 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?	N/A meet the DEP rules.
12. Department of Environmental Protection ID # Interconnection	cted

S-13 20210 SYSTEM 1

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

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

## **PUMPING AND PURCHASED WATER STATISTICS**

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	2,114		2,115	2,174
February	10	1,772	40	1,742	1,833
March	0	2,494	40	2,454	1,856
April	7	2,572	0	2,579	2,941
May	6	2,739	0	2,745	2,315
June	14	2,587	0	2,601	2,933
July					System Sold
August September October		*****			
November December					
Total for year	38	14,276	80	14,234	14,052

If water is purchased for re	esale, indicate the following:	
Vendor	City of Altamonte Springs	
Point of delivery	6" Neptune meter at the WTP	
If water is sold to other wa	ter utilities for redistribution, list names of such utilities below:	

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

## WATER TREATMENT PLANT INFORMATION

Provide a separate sheet for each water treatment facility

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

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

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

#### **CALCULATION OF THE WATER SYSTEMS METER EQUIVALENTS**

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	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 <sup>n</sup>	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
Tota	al Residential Water System Meter Equ	ivalents	279	279

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

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

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

Calculations: (a)		Average						
	SFR Gallons Sold Customers	SFR Gallons Sold	Customers Days	SFR Gallons Sold Customers Days	Customers Days	Customers Days	Customers Days	ERC
	12,117,861	274	181	244				

# **CALCULATION OF THE WATER SYSTEMS METER EQUIVALENTS**

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	19	19
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	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
Tota	ıl Commercial Water System Meter Equ	ivalents	21	24

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

Furnish information below for each system. Aseparate pag	e should be supplied where necessary.
Present ERC's * that system can efficiently serve.	274
2. Maximum number of ⊞Cs * which can be served **	589
3. Present system connection capacity (in ERCs *) using ex	xisting lines. 311
4. Future connection capacity (in ERCs *) upon service are	ea buildout. 317
5. Estimated annual increase in ERCs *.	System Sold
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.	
Describe any plans and estimated completion dates for System under new ownership, sold 06/30/2004	any enlargements or improvements of this system.
9. When did the company last file a capacity analysis repo	ort with the DE? N/A
10. If the present system does not meet the requirements of	of the DP rules: N/A
a. Attach a description of the plant upgrade necessary	to meet the DIP rules.
b. Have these plans been approved by D⊞?	
c. When will construction begin?	
d. Attach plans for funding the required upgrading.	
e. Is this system under any Consent Oder with DEP?	
11. Department of Environmental Protection ID #.	3590699
12. Water Management District Consumptive Use Permit #	8356
a. Is the system in compliance with the requirements of	of the CUP Yes,
b. If not, what are the utility's plans to gain compliance withdrawal quantities are dynamic and may fluctuate be	eyond permitted quantities during the duration of
the permit. Permits are reviewed peridically to ascertai water management district.	n whether modifications need to be filed with the

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

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

## PUMPING AND PURCHASED WATER STATISTICS

			WATER USED	TOTAL WATER	
	WATER	FINISHED	FOR LINE	PUMPED AND	WATER SOLD
	PURCHASED	WATER PUMPED	FLUSHING,	PURCHASED	ТО
	FOR RESALE	FROM WELLS	FIGHTING	(Omit 000's)	CUSTOMERS
MONTH	(Omit 000's)	(Omit 000's)	FIRES, ETC.	[ (b)+(c)-(d) ]	(Omit 000's)
(a)	(b)	(c)	(d)	(e)	(f) ·
January	0	791	1	790	747
February	0	821	4	817	792
March	0	792	1	791	683
April	0	620	0	620	. 865
May	0	472	2	470	504
June	0	420	0	420	415
July					System Sold
August					
September					
October					
November					
December					
Total for year	0	3,916	9	3,907	4,005

If water is purchased for r	esale, indicate the following:			
Vendor	N/A			
Point of delivery	N/A			
If water is sold to other wa	ater utilities for redistribution, li	st names of such utilities b	e <b>low:</b>	

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

## WATER TREATMENT PLANT INFORMATION

Provide a separate sheet for each water treatment facility

Capacity of Plant (GPD):	* 72,000	(Reliable Max Day Capacity)
Location of measurement		
(I.e. WellHead, Storage Tank):	WellHead and/or Distrib	ution
Type of treatment (reverse osmosis,		
(sedimentation, chemical, aerated, etc,):	Chlorination and Aeratio	n
LIME	TREATMENT	
<del></del>	TREATMENT	
<del></del>	TREATMENT  Manufacturer:	
Unit rating (i.e., GPM, pounds per gallon): N/A		
Unit rating (i.e., GPM, pounds per gallon): N/A	Manufacturer:	
Unit rating (i.e., GPM, pounds per gallon): N/A	Manufacturer:	

<sup>\*</sup> Wells

#### **CALCULATION OF THE WATER SYSTEMS METER EQUIVALENTS**

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	282	282
3/4"	Displacement	1.5	1	2
1"	Displacement	2.5	0	0
1 1/2"	Displacement or Turbine	5.0	0	0
2"	Displacement, Compound or Turbine	8.0	0	0
3"	Displacement	15.0	0	0
3"	Compound	16.0	0	0
- 3"	Turbine	17.5	0	0
4"	Displacement or Compound	25.0	0	0
4"	Turbine	30.0	' 0	0
6"	Displacement or Compound	50.0	0	0
6"	Turbine	62.5	0	0
8 <sup>11</sup>	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
Tota	al Residential Water System Meter Equ	ivalents	283	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 = ( Total SFR gallons sold (Omit 000) / 365 days / 350 gallons per day )

Calculations: (a)		Average		
	SFR Gallons Sold	Customers	Days	ERC
	3,967,599	276	181	79

## **CALCULATION OF THE WATER SYSTEMS METER EQUIVALENTS**

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	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
Tota	al Commercial Water System Meter Equ	ivalents	4	4

#### OTHER WATER SYSTEM INFORMATION

F	urnish information below for each system. Asepara	te page should be supplied wher	e necessary.			
1.	Present ERC's * that system can efficiently serve.	276				
2.	. Maximum number of ⊞Cs * which can be served **		453			
3.	Present system connection capacity (in ERCs *) us	sing existing lines.	376			
4.	Future connection capacity (in ERCs *) upon servi	ice area buildout.	376			
5.	Estimated annual increase in ERCs *.	System Sold				
6.	Is the utility required to have fire flow capacity?	Yes				
	If so, how much capacity is required?	250 gpm				
7.	Attach a description of the fire fighting facilities.	See W-14 Exhibit Q-7				
8.	8. Describe any plans and estimated completion dates for any enlargements or improvements of this system. System under new ownership, sold 06/30/2004					
9.	When did the company last file a capacity analysis	s report with the DP?	N/A			
10.	If the present system does not meet the requirem	nents of the DP rules:	N/A			
	a. Attach a description of the plant upgrade necessary to meet the D₽ rules.					
	b. Have these plans been approved by D⊞?					
	c. When will construction begin?					
	d. Attach plans for funding the required upgrading.					
	e. Is this system under any Consent Order with D	EP?				
11.	Department of Environmental Protection ID #.	6280064				
12.	Water Management District Consumptive Use Per	mit #	206456.004			
	a. Is the system in compliance with the requirement	ents of the CUP	Yes,			
	b. If not, what are the utility's plans to gain compl		It should be noted that			
	withdrawal quantities are dynamic and may fluctua					
	the permit. Permits are reviewed peridically to ascertain whether modifications need to be filed with the water management district.					
	<u> </u>					

 $<sup>^{\</sup>star}$  An ERC is determined based on the calculation on W-13

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

SYSTEM NAME / COUNTY: LEISURE LAKES/COVERED BRIDGE /

HIGHLANDS #2401

YEAR OF REPORT June 30, 2004

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	271	271
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
Total Residential Wastewater System Meter Equivalents				271

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

For wastewater only utilities:

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

NOTE:

Total gallons treated includes both treated and purchased treatment.

Calculations:		Average		
	SFR Gallons Sold	Customers	Days	ERC
	3,750,849	272	181	76

S-11a 22401 SYSTEM 1

SYSTEM NAME / COUNTY: LEISURE LAKES/COVERED BRIDGE /

HIGHLANDS #2401

YEAR OF REPORT June 30, 2004

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 .	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 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
Total Commercial Wastewater System Meter Equivalents				2

S-11b 22401 SYSTEM 1

SYSTEM NAME / COUNTY: LEISURE LAKES/COVERED BRIDGE /

HIGHLANDS #2401

YEAR OF REPORT June 30, 2004

#### TREATMENT PLANT

Provide a separate sheet for each wastewater treatment facility

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

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

## OTHER WASTEWATER SYSTEM INFORMATION

Furnish information below for each system. A separate page sho	ould be supplied where necessary.
Present number of ERC's * now being served.	272
2. Maximum number of ERC's * which can be served. 660	**
** Note: SFR gallons sold is not representative of total ww flow at plant.	
3. Present system connection capacity (in ERCs*) using existing lines.	391
4. Future connection capacity (in ERCs*) upon service area buildout.***	391
Estimated annual increase in ERCs*     System Sold	
6. Describe any plans and estimate completion dates for any enlargements System under new ownership, sold 06/30/2004	or improvements of this system.
7. If the utility uses reuse as a means of effluent disposal, attach a list of the of reuse provided to each, if known.  N/A	
If the utility does not engage in reuse, has a reuse feasibility study been lift so, when?	completed? No
9. Has the utility been required by DEP or water management district to imp	olement reuse? No
If so, what are the utility's plans to comply with this requirem	nent?
10. When did the company last file a capacity analysis report with the DEP?	? December-03
<ul> <li>11. If the present system does not meet the requirements of DEP rules:</li> <li>a. Attach a description of the plant upgrade necessary to m</li> <li>b. Have these plans been approved by DEP?</li> <li>c. When will construction begin?</li> <li>d. Attach plans for funding the required upgrading.</li> </ul>	N/A neet the DEP rules.
e. Is this system under any Consent Order with DEP?	
12. Department of Environmental Protection ID # FLA014388-0	01-DW3P

S-13 22401 SYSTEM 1

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

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