



**SOUTHERN STATES UTILITIES, INC.
DELTONA UTILITIES, INC.**

BEFORE THE

FLORIDA PUBLIC SERVICE COMMISSION

DOCKET NO. 920199-WS

APPLICATION FOR A GENERAL RATE INCREASE

**ORIGINAL
FILE COPY**

FILED

DEC 11 1996

JON S. ...
Clerk District Court
First District

**VOLUME III
BOOK 6 OF 6**

WASTEWATER MINIMUM FILING REQUIREMENTS

Containing

SCHEDULE F - ENGINEERING INFORMATION

FOR THE TEST YEAR ENDED
DECEMBER 31, 1991

Case Nos. 1D98-0713 and 1D98-0727
Florida Water Services Corporation vs. Florida Public Service Commission ("PSC");
Sugarmill Woods Civic Association, Inc. vs. Southern States Utilities, Inc. and the
PSC

vs. Joseph J. DeRouth, et al.
PSC Docket No. 920199-WS

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04741 MAY 11 1992

FPSC-RECORDS/REPORTING

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for
Docket No. 920199-WS**

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WASTEWATER SCHEDULES

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Introduction To Wastewater Engineering Schedules

Schedule F-6 Used and Useful Determination For Wastewater Systems

The used and useful determination for wastewater systems is presented on Schedule F-6 with corresponding Margin Reserve computations shown on Schedule F-8.

The Commission's approach to determining the used and usefulness of the wastewater treatment plant has been to evaluate the treatment and effluent disposal process as one system. The approach incorporated within the filing is to separate the treatment operation from the effluent disposal function. This is a more precise method of evaluation because the capacity of the effluent disposal system may be different than the capacity of the treatment units.

The used and useful calculation for the treatment plant is the ratio of the average daily flow in the maximum flow month to the FDER permitted plant capacity. When the permit restricts flows to the plant to something less than design rating because of reduced effluent disposal capacity, the denominator reflects this reduced capacity rating. A copy of the FDER operating permit is included in the Additional Engineering section of the filing.

The collection system (including lift stations) is evaluated separately. The method used to evaluate the used and usefulness of the collection system is the same method used to evaluate the water distribution system.

Schedule F-8 Margin Reserve Calculations

Margin reserve calculations, if applicable, are presented on Schedule F-8 and are based on 5 year historical growth rates as presented in Schedule F-10. Where a margin reserve is requested, a 1.5 year period was used for plant while a 1 year period was used for water distribution/wastewater collection systems.

Amelia Island - 1518

Nassau County (SSU)

Sewer

- 1992 FPSC Filing -



GALLONS OF WASTEWATER TREATED

In Thousands of Gallons

Company: SSU / Nassau / Amelia Island

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-2
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide a schedule of gallons of wastewater treated by individual plant for each month of the test year. Flow data should match the the monthly operating reports sent to DER.

Month/ Year	(1)	(2)		(3)	(4)	(5)
	Amelia Island	Individual Plant Flows		(Name)	Total Plant Flows	Total Purch. Sewage Treatment
		(Name)	(Name)			
January	8,520				8,520	
February	11,091				11,091	
March	12,958				12,958	
April	17,852				17,852	
May	16,651				16,651	
June	18,960				18,960	
July	23,095				23,095	
August	23,901				23,901	
September	17,340				17,340	
October	17,980				17,980	
November	16,050				16,050	
December	13,578				13,578	
Total	197,976				197,976	

WASTEWATER TREATMENT PLANT DATA

Company: SSU / Nassau / Amelia Island

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-4
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide the following information for each wastewater treatment plant. All flow data must be obtained from the monthly operating reports (MORs) sent to the Department of Environmental Regulation.

	MONTH	GPD
1. Plant Capacity		850,000
The hydraulic rated capacity. If different from that shown on the DER operating or construction permit, provide an explanation.		
2. Average Daily Flow Max Month	August	771,000
An average of the daily flows during the peak usage month during the test year. Explain, on a separate page, if this peak-month was influenced by abnormal infiltration due to rainfall periods. (There is no record that this peak month was influenced by any abnormal infiltration)		

USED AND USEFUL CALCULATIONS

Wastewater Treatment Plant

Company: SSU / Nassau / Amelia Island

FPSC

Docket No. 920199-WS

Schedule F-6

Test Year Ended: 12/31/91

Page 1 of 1

Preparer: G. Morse

Explanation: Provide all calculations, analyses and governmental requirements used to determine the used and useful percentages for the wastewater treatment plant(s).

Recap Schedules: A-10, B-20

Line No.	Test Year Ending: 1991	
	Description	Amelia Island
		(a)
1	FDER Operating Permit No.	DO45-180686
2	Permit Expiration Date	06/21/95
3	Permitted Plant Capacity (GPD)	850,000
4	Permitted Mode of Operation	C/M
5	Method(s) of Effluent Disposal	Spray
6	Permitted Effluent Disposal System Capacity (MGD)	850,000
7	Other Limiting Plant Components:	
8		
9	FDER Notice to Correct	No
10	Consent Order No.	90-388
11	Month Max Flow Occurred	
12	Peak Flow For Year (GPD)	771,000
13	Beginning No. of ERCs	1,462
14	Ending No. of ERCs	1,672
15	Average No. of ERCs	1,567
16	Usage Per ERC (GPD)	492
17	Total Lots/ERCs Served By Mains	1,700
	Percentage (Accounts 382.4 and part of 353.4)	
	<u>Used and useful w/o Margin Reserve:</u>	
18	Plant Used and Useful Percentage (Accounts 354,364,380,381,389.3 and 389.4)	91%
19	Effluent Disposal Used and Useful Percentage (Accounts 382.4 and part of 353.4)	91%
20	Collection System Used and Useful (Accounts 353.2, 354.2, 360, 361, 363, 365.2, 366.2, 370.3 and 389.2)	100% (1)
21	Margin Reserve Flow From Schedule F-8 Associated w/ 1.5 Years Growth:	59,758
22	Margin Reserve Growth From Schedule F-8 Associated w/ 1.5 Years Growth:	1,688
	<u>Used & Useful With Margin Reserve:</u>	
23	Plant Used and Useful Percentage (Accounts 354,364,380,381,389.3 and 389.4)	98%
24	Effluent Disposal Used and Useful Percentage (Accounts 382.4 and part of 353.4)	98%
25	Collection System Used and Useful (Accounts 353.2, 354.2, 360, 361, 363, 365.2, 366.2, 370.3 and 389.2)	100% (1)

NOTE (1) Collection system considered 100% used and useful due to customer distribution and pipe sizes.

USED AND USEFUL CALCULATIONS

Water Distribution and Wastewater Collection Systems

Company: SSU / Nassau / Amelia Island

FPSC

Docket No. 920199-WS
Test Year Ended: 12/31/91

Schedule F-7
Page 1 of 1
Preparer: G. Morse

Explanation: Provide all calculations, analyses and governmental requirements used to determine the used and useful percentages for the water distribution and wastewater collection systems. The capacity should be in terms of ability to serve a designated number of connections. It should then be related to actual connected density during the test year. If the distribution and collection systems are entirely contributed or built-out, this schedule is not required.

Recap Schedules: A-9,A-10,B-19,B-20
(See Schedules F-5 and F-6)

MARGIN RESERVE CALCULATIONS - SEWER

Company: SSU / Nassau / Amelia Island

FPSC

Docket No. 820199-WS
Test Year Ended: 12/31/91

Schedule F-8
Page 1 of 1
Preparer: G. Morse

Explanation: If a margin reserve is requested, provide all calculations and analyses used to determine the amount of margin reserve for each portion of used and useful plant.

Recap Schedules: F-5, F-6, F-7

Line No.	Description	Amelia Island
		(a)
1	Annual Growth From Schedule F-10	5.2%
2	Number Of ERCs Associated With 1.5 Years Growth	121
3	Average Number Of Test Year ERC's	1,567
4	Projected Number Of ERCs	1,688
5	Test Year Usage Per ERC For Max Mo.	492
6	ADF 1.5 Years Into Future	830,758

EQUIVALENT RESIDENTIAL CONNECTIONS - WASTEWATER

Company: SSU / Nassau / Amelia Island

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-10
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide the following information in order to calculate the average growth in ERCs for the last five years, including the test year. If the utility does not have single-family residential (SFR) customers, the largest customer class should be used as a substitute.

Line No.	(1) Year	(3) ERCs		(4) Average	(5) Gallons Treated	(6) Gallons/ERC (5)/(4)	(7) Total Gallons Treated	(8) Total ERCs (7)/(6)	(9) Annual % incr. in ERCs
		(2) Beginning	Ending						
1	1987	1,343.0	1,219.0	1,281.0	117,800,000	91,959	117,800,000	1,281.0	EPR
2	1988	1,219.0	1,308.5	1,264.0	126,395,000	99,996	126,395,000	1,264.0	-1.3%
3	1989	1,308.5	1,374.0	1,341.5	130,506,000	97,284	130,506,000	1,341.5	6.1%
4	1990	1,374.0	1,461.5	1,418.0	126,598,000	89,279	126,598,000	1,418.0	5.7%
5	1991	1,461.5	1,672.0	1,567.0	197,976,000	126,341	197,976,000	1,567.0	10.5%
Average Growth Through 5-Year Period (Col. 8)									5.2%

Apache Shores - 990

Citrus County (SSU)

Sewer

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GALLONS OF WASTEWATER TREATED
 in Thousands of Gallons

Company: SSU / Citrus / Apache Shores

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-2
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide a schedule of gallons of wastewater treated by individual plant for each month of the test year. Flow data should match the the monthly operating reports sent to DER.

Month/ Year	(1) Individual Plant Flows			(4) Total Plant Flows	(5) Total Purch. Sewage Treatment
	(2) Apache Shores	(3) (Name)	(3) (Name)		
January	151			151	
February	132			132	
March	150			150	
April	140			140	
May	118			118	
June	116			116	
July	116			116	
August	114			114	
September	114			114	
October	124			124	
November	124			124	
December	124			124	
Total	1,523			1,523	

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WASTEWATER TREATMENT PLANT DATA

Company: **SSU / Citrus / Apache Shores**

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-4
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide the following information for each wastewater treatment plant. All flow data must be obtained from the monthly operating reports (MORs) sent to the Department of Environmental Regulation.

	MONTH	GPD
1. Plant Capacity The hydraulic rated capacity. If different from that shown on the DER operating or construction permit, provide an explanation.		7,000
2. Average Daily Flow Max Month An average of the daily flows during the peak usage month during the test year. Explain, on a separate page, if this peak-month was influenced by abnormal infiltration due to rainfall periods. (There is no record that this peak month was influenced by any abnormal infiltration)	January	4,871

USED AND USEFUL CALCULATIONS

Wastewater Treatment Plant

Company: SSU / Citrus / Apache Shores

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-6
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide all calculations, analyses and governmental requirements used to determine the used and useful percentages for the wastewater treatment plant(s).

Recap Schedules: A-10,B-20

Line No.	Description	Apache Shores
		(a)
1	FDER Operating Permit No.	DO09-093467
2	Permit Expiration Date	08/24/94
3	Permitted Plant Capacity (GPD)	7,000
4	Permitted Mode of Operation	E/A
5	Method(s) of Effluent Disposal	Ponds
6	Permitted Effluent Disposal	
7	System Capacity (MGD)	7,000
8	Other Limiting Plant Components:	
9	FDER Notice to Correct	No
10	Consent Order No.	N/A
12	Month Max Flow Occurred	Jan
13	Peak Flow For Year	4,871
14	Beginning No. of ERC's	119
15	Ending No. of ERC's	113
16	Average No. of ERC's	116
17	Usage Per ERC (GPD)	42
18	Total Lots/ERC's Served By Mains	195
	Used & Useful w/o Margin Reserve:	
19	Plant Used and Useful Percentage (Accounts 354,364,380,381,389.3 and 389.4)	70%
20	Effluent Disposal Used and Useful Percentage (Accounts 382.4 and part of 353.4)	70%
21	Collection System Used and Useful (Accounts 353.2, 354.2, 360, 361, 363, 365.2, 366.2, 370.3 and 389.2)	59%
22	Margin Reserve Flow From Schedule F-8 Associated w/ 1.5 Years Growth:	None Requested
23	Margin Reserve Growth From Schedule F-8 Associated w/ 1 Year Growth	
	Used & Useful With Margin Reserve:	
24	Plant Used and Useful Percentage (Accounts 354,364,380,381,389.3 and 389.4)	
25	Effluent Disposal Used and Useful Percentage (Accounts 382.4 and part of 353.4)	
26	Collection System Used and Useful (Accounts 353.2, 354.2, 360, 361, 363, 365.2, 366.2, 370.3 and 389.2)	

USED AND USEFUL CALCULATIONS
Water Distribution and Wastewater Collection Systems

Company: SSU / Citrus / Apache Shores

FPSC

Docket No. 920199-WS
Test Year Ended: 12/31/91

Schedule F-7
Page 1 of 1
Preparer: G. Morse

Explanation: Provide all calculations, analyses and governmental requirements used to determine the used and useful percentages for the water distribution and wastewater collection systems. The capacity should be in terms of ability to serve a designated number of connections. It should then be related to actual connected density during the test year. If the distribution and collection systems are entirely contributed or built-out, this schedule is not required.

Recap Schedules: A-9,A-10,B-19,B-20
(See Schedules F-5 and F-6)

EQUIVALENT RESIDENTIAL CONNECTIONS - WASTEWATER

Company: SSU / Citrus / Apache Shores

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-10
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide the following information in order to calculate the average growth in ERCs for the last five years, including the test year. If the utility does not have single-family residential (SFR) customers, the largest customer class should be used as a substitute.

Line No.	(1)	(3) ERCs		(4)	(5)	(6)	(7)	(8)	(9)
	Year	Beginning	Ending	Average	Gallons Treated	Gallons/ERC (5)/(4)	Total Gallons Treated	Total ERCs (7)/(6)	Annual % Incr. in ERCs
1	1987	122.0	120.0	121.0	1,951,000	16,124	1,951,000	121.0	ERR
2	1988	120.0	117.0	118.5	2,178,000	18,380	2,178,000	118.5	-2.1%
3	1989	117.0	119.0	118.0	1,928,000	16,339	1,928,000	118.0	-0.4%
4	1990	119.0	113.0	116.0	1,621,000	13,974	1,621,000	116.0	-1.7%
5	1991	113.0	111.0	112.0	1,523,000	13,598	1,523,000	112.0	-3.4%
Average Growth Through 5-Year Period (Col. 8)									-1.9%

Apple Valley - 332

Seminole County (SSU)

Sewer

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GALLONS OF WASTEWATER TREATED

In Thousands of Gallons

Company: SSU / Seminole / Apple Valley

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-2
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide a schedule of gallons of wastewater treated by individual plant for each month of the test year. Flow data should match the the monthly operating reports sent to DER.

Month/ Year	(1) Individual Plant Flows			(4) Total Plant Flows	(5) Total Purch. Sewage Treatment
	(Name)	(Name)	(Name)		
January				0	2,689
February				0	
March				0	2,533
April				0	
May				0	2,542
June				0	
July				0	2,583
August				0	
September				0	2,467
October				0	
November				0	2,522
December				0	
Total	0			0	15,336

WASTEWATER TREATMENT PLANT DATA

Company: SSU / Seminole / Apple Valley

FPSC

Docket No. 920199-WS
Test Year Ended: 12/31/91

Schedule F-4
Page 1 of 1
Preparer: G. Morse

Explanation: Provide the following information for each wastewater treatment plant. All flow data must be obtained from the monthly operating reports (MORs) sent to the Department of Environmental Regulation.

	<u>MONTH</u>	<u>GPD</u>
1. Plant Capacity NO PLANT ALL SEWERAGE IS TREATED BY THE CITY OF ALTAMONTE SPRINGS		
The hydraulic rated capacity. If different from that shown on the DER operating or construction permit, provide an explanation.		
2. Average Daily Flow Max Month		
An average of the daily flows during the peak usage month during the test year. Explain, on a separate page, if this peak-month was influenced by abnormal infiltration due to rainfall periods.		
(There is no record that this peak month was influenced by any abnormal infiltration)		

USED AND USEFUL CALCULATIONS
Water Distribution and Wastewater Collection Systems

Company: SSU / Seminole / Apple Valley

FPSC

Docket No. 920199-WS
Test Year Ended: 12/31/91

Schedule F-7
Page 1 of 1
Preparer: G. Morse

Explanation: Provide all calculations, analyses and governmental requirements used to determine the used and useful percentages for the water distribution and wastewater collection systems. The capacity should be in terms of ability to serve a designated number of connections. It should then be related to actual connected density during the test year. If the distribution and collection systems are entirely contributed or built-out, this schedule is not required.

Recap Schedules: A-9,A-10,B-19,B-20

The wastewater collection system is 100% used and useful based on customer density.
See Schedule F-5 for water distribution system used and useful.

EQUIVALENT RESIDENTIAL CONNECTIONS - WASTEWATER

Company: SSU / Seminole / Apple Valley

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-10
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide the following information in order to calculate the average growth in ERCs for the last five years, including the test year. If the utility does not have single-family residential (SFR) customers, the largest customer class should be used as a substitute.

Line No.	(1) Year	(3) ERCs		(4) Average	(5) Gallons Treated [1]	(6) Gallons/ERC (5)/(4)	(7) Total Gallons Treated	(8) Total ERCs (7)/(6)	(9) Annual % Incr. in ERCs
		(2) Beginning	Ending						
1	1987	158.0	169.0	163.5	0	0	0	ERR	ERR
2	1988	169.0	174.0	171.5	17,155,000	100,029	17,155,000	171.5	ERR
3	1989	174.0	174.0	174.0	16,759,000	96,316	16,759,000	174.0	1.5%
4	1990	174.0	175.0	174.5	15,382,000	88,149	15,382,000	174.5	0.3%
5	1991	175.0	174.5	175.0	15,336,118	87,635	15,336,118	175.0	0.3%
Average Growth Through 5-Year Period (Col. 8)									0.7%

[1] All wastewater is pumped to the City of Altamonte Springs for treatment.

Beacon Hills - 886

Duval County (SSU)

Sewer

- 1992 FPSC Filing -



.



GALLONS OF WASTEWATER TREATED

In Thousands of Gallons

Company: SSU / Duval / Beacon Hills

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-2
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide a schedule of gallons of wastewater treated by individual plant for each month of the test year. Flow data should match the the monthly operating reports sent to DER.

Month/ Year	(1)	(2)	(3)	(4)	(5)
	Beacon Hills	Individual Plant Flows (Name)	(Name)	Total Plant Flows	Total Purch. Sewage Treatment
January	4,743			4,743	
February	4,144			4,144	
March	11,873			11,873	
April	6,120			6,120	
May	[1]			0	
June	8,720			8,720	
July	10,819			10,819	
August	11,067			11,067	
September	25,710			25,710	
October	30,132			30,132	
November	24,510			24,510	
December	19,313			19,313	
Total	157,151			157,151	

[1] Flow meter inoperative, replaced in June.

WASTEWATER TREATMENT PLANT DATA

Company: SSU / Duval / Beacon Hills

FPSC

Docket No. 920199-WS
Test Year Ended: 12/31/91

Schedule F-4
Page 1 of 1
Preparer: G. Morse

Explanation: Provide the following information for each wastewater treatment plant. All flow data must be obtained from the monthly operating reports (MORs) sent to the Department of Environmental Regulation.

	MONTH	GPD
1. Plant Capacity		1,780,000
The hydraulic rated capacity. If different from that shown on the DER operating or construction permit, provide an explanation.		
2. Average Daily Flow Max Month	October	972,000
An average of the daily flows during the peak usage month during the test year. Explain, on a separate page, if this peak-month was influenced by abnormal infiltration due to rainfall periods. (There is no record that this peak month was influenced by any abnormal infiltration)		

USED AND USEFUL CALCULATIONS

Wastewater Treatment Plant

Company: SSU / Duval / Beacon Hills

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-6
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide all calculations, analyses and governmental requirements used to determine the used and useful percentages for the wastewater treatment plant(s).

Recap Schedules: A-10,B-20

Line No.	Description	Beacon Hills	
		(a)	
1	FDER Operating Permit No.	DO16-132425	
2	Permit Expiration Date	06/01/92	
3	Permitted Plant Capacity (GPD)	1,780,000	
4	Permitted Mode of Operation	E/A	
5	Method(s) of Effluent Disposal	Surface	
6	Permitted Effluent Disposal System Capacity (MGD)	1,780,000	
8	Other Limiting Plant Components:		
9	FDER Notice to Correct	No	
10	Consent Order No.	N/A	
11	Month Max Flow Occurred	October	
12	Peak Flow For Year	972,000	
13	Beginning No. of ERC's	2,375	
14	Ending No. of ERC's	2,546	
15	Average No. of ERC's	2,461	
16	Usage Per ERC (GPD)	395	
17	Total Lots/ERC's Served By Mains Percentage (Accounts 382.4 and part of 353.4)	3,000	
	Used and Useful w/o Margin Reserve:		
18	Plant Used and Useful Percentage (Accounts 354,364,380,381,389.3 and 389.4)	55%	
19	Effluent Disposal Used and Useful Percentage (Accounts 382.4 and part of 353.4)	55%	
20	Collection System Used and Useful (Accounts 353.2 , 354.2 , 360 , 361 , 363 , 365.2 , 366.2 , 370.3 and 389.2)	100%	[1]
21	Margin Reserve Flow From Schedule F-8 Associated w/ 1.5 Years Growth:	162,460	
22	Margin Reserve Growth From Schedule F-8 Associated w/ 1.5 Years Growth:	411	
	Used & Useful With Margin Reserve:		
23	Plant Used and Useful Percentage (Accounts 354,364,380,381,389.3 and 389.4)	64%	
24	Effluent Disposal Used and Useful Percentage (Accounts 382.4 and part of 353.4)	64%	
25	Collection System Used and Useful (Accounts 353.2 , 354.2 , 360 , 361 , 363 , 365.2 , 366.2 , 370.3 and 389.2)	100%	[1]

[1] Collection system considered 100% used and useful based in customer density.

USED AND USEFUL CALCULATIONS

Water Distribution and Wastewater Collection Systems

Company: SSU / Duval / Beacon Hills

FPSC

Docket No. 920199-WS

Test Year Ended: 12/31/91

Schedule F-7

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Preparer: G. Morse

Explanation: Provide all calculations, analyses and governmental requirements used to determine the used and useful percentages for the water distribution and wastewater collection systems. The capacity should be in terms of ability to serve a designated number of connections. It should then be related to actual connected density during the test year. If the distribution and collection systems are entirely contributed or built-out, this schedule is not required.

Recap Schedules: A-9,A-10,B-19,B-20
(See Schedules F-5 and F-6)

MARGIN RESERVE CALCULATIONS - SEWER

Company: SSU / Duval / Beacon Hills

FPSC

Docket No. 920199-WS
Test Year Ended: 12/31/91

Schedule F-8
Page 1 of 1
Preparer: G. Morse

Explanation: If a margin reserve is requested, provide all calculations and analyses used to determine the amount of margin reserve for each portion of used and useful plant.

Recap Schedules: F-5,F-6,F-7

Line No.	Description	Beacon Hills & Cobblestone
		(a)
1	Annual Growth From Schedule F-10	11.1%
2	Number Of ERC's Associated With 1.5 Years Growth	411
3	Average Number Of Test Year ERC's	2,461
4	Projected Number Of ERC's	2,872
5	Test Year Usage Per ERC For Max Mo.	395
6	ADF 1.5 Years Into Future	1,134,460

EQUIVALENT RESIDENTIAL CONNECTIONS - WASTEWATER

Company: SSU / Duval / Beacon Hills

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-10
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide the following information in order to calculate the average growth in ERCs for the last five years, including the test year. If the utility does not have single-family residential (SFR) customers, the largest customer class should be used as a substitute.

Line No.	(1) Year	(3) ERCs		(4) Average	(5) Gallons Treated	(6) Gallons/ERC (5)/(4)	(7) Total Gallons Treated	(8) Total ERCs (7)/(6)	(9) Annual % Incr. in ERCs
		(2) Beginning	(3) Ending						
1	1987	1,431.0	1,794.0	1,612.5	120,888,000	74,969	120,888,000	1,612.5	
2	1988	1,794.0	2,070.0	1,932.0	256,333,000	132,678	256,333,000	1,932.0	19.8%
3	1989	2,070.0	2,280.0	2,175.0	278,495,000	128,044	278,495,000	2,175.0	12.6%
4	1990	2,280.0	2,375.0	2,327.5	194,699,000	83,652	194,699,000	2,327.5	7.0%
5	1991	2,375.0	2,546.0	2,460.5	157,151,000	63,870	157,151,000	2,460.5	5.7%
Average Growth Through 5-Year Period (Col. 8)									<u>11.1%</u>

Beecher's Point - 472

Putnam County (SSU)

Sewer

- 1992 FPSC Filing -



GALLONS OF WASTEWATER TREATED

In Thousands of Gallons

Company: SSU / Putnam / Beechers Point

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-2
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide a schedule of gallons of wastewater treated by individual plant for each month of the test year. Flow data should match the the monthly operating reports sent to DER.

Month/ Year	(1)	(2)		(3)	(4)	(5)
	Beechers Point	Individual Plant Flows (Name)		(Name)	Total Plant Flows	Total Purch. Sewage Treatment
January	128				128	
February	136				136	
March	150				150	
April	178				178	
May	150				150	
June	146				146	
July	166				166	
August	126				126	
September	140				140	
October	157				157	
November	129				129	
December	116				116	
Total	1,722				1,722	

WASTEWATER TREATMENT PLANT DATA

Company: SSU / Putnam / Beechers Point

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-4
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide the following information for each wastewater treatment plant. All flow data must be obtained from the monthly operating reports (MORs) sent to the Department of Environmental Regulation.

	MONTH	GPD
1. Plant Capacity The hydraulic rated capacity. If different from that shown on the DER operating or construction permit, provide an explanation.		15,000
2. Average Daily Flow Max Month An average of the daily flows during the peak usage month during the test year. Explain, on a separate page, if this peak-month was influenced by abnormal infiltration due to rainfall periods. (There is no record that this peak month was influenced by any abnormal infiltration)	April	5,933

USED AND USEFUL CALCULATIONS

Wastewater Treatment Plant

Company: SSU / Putnam / Beechers Point

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-6
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide all calculations, analyses and governmental requirements used to determine the used and useful percentages for the wastewater treatment plant(s).

Recap Schedules: A-10,B-20

Line No.	Description	Beechers Point
		(a)
1	FDER Operating Permit No.	DO54-147243
2	Permit Expiration Date	06/22/93
3	Permitted Plant Capacity (GPD)	15,000
4	Permitted Mode of Operation	E/A
5	Method(s) of Effluent Disposal	Ponds
6	Permitted Effluent Disposal System Capacity (MGD)	15,000
8	Other Limiting Plant Components:	
9	FDER Notice to Correct	No
10	Consent Order No.	N/A
11	Month Max Flow Occurred	April
12	Peak Flow For Year	5,933
13	Beginning No. of ERC's	46
14	Ending No. of ERC's	45
15	Average No. of ERC's	46
16	Usage Per ERC (GPD)	130
17	Total Lots/ERC's Served By Mains Percentage (Accounts 382.4 and part of 353.4)	62
	<u>Used and Useful w/o Margin Reserve:</u>	
18	Plant Used and Useful Percentage (Accounts 354,364,380,381,389.3 and 389.4)	40%
19	Effluent Disposal Used and Useful Percentage (Accounts 382.4 and part of 353.4)	40%
20	Collection System Used and Useful (Accounts 353.2, 354.2, 360, 361, 363, 365.2, 366.2, 370.3 and 389.2)	73%
21	Margin Reserve Flow From Schedule F-8 Associated w/ 1.5 Years Growth:	No Margin Reserve Requested
22	Margin Reserve Growth From Schedule F-8 Associated w/ 1.5 Years Growth:	
	<u>Used & Useful With Margin Reserve:</u>	
23	Plant Used and Useful Percentage (Accounts 354,364,380,381,389.3 and 389.4)	
24	Effluent Disposal Used and Useful Percentage (Accounts 382.4 and part of 353.4)	
25	Collection System Used and Useful (Accounts 353.2, 354.2, 360, 361, 363, 365.2, 366.2, 370.3 and 389.2)	

USED AND USEFUL CALCULATIONS
Water Distribution and Wastewater Collection Systems

Company: SSU / Putnam / Beechers Point

FPSC

Docket No. 920199-WS
Test Year Ended: 12/31/91

Schedule F-7
Page 1 of 1
Preparer: G. Morse

Explanation: Provide all calculations, analyses and governmental requirements used to determine the used and useful percentages for the water distribution and wastewater collection systems. The capacity should be in terms of ability to serve a designated number of connections. It should then be related to actual connected density during the test year. If the distribution and collection systems are entirely contributed or built-out, this schedule is not required.

Recap Schedules: A-9,A-10,B-19,B-20
(See Schedules F-5 and F-6)

EQUIVALENT RESIDENTIAL CONNECTIONS - WASTEWATER

Company: SSU / Putnam / Beechers Point

FPSC

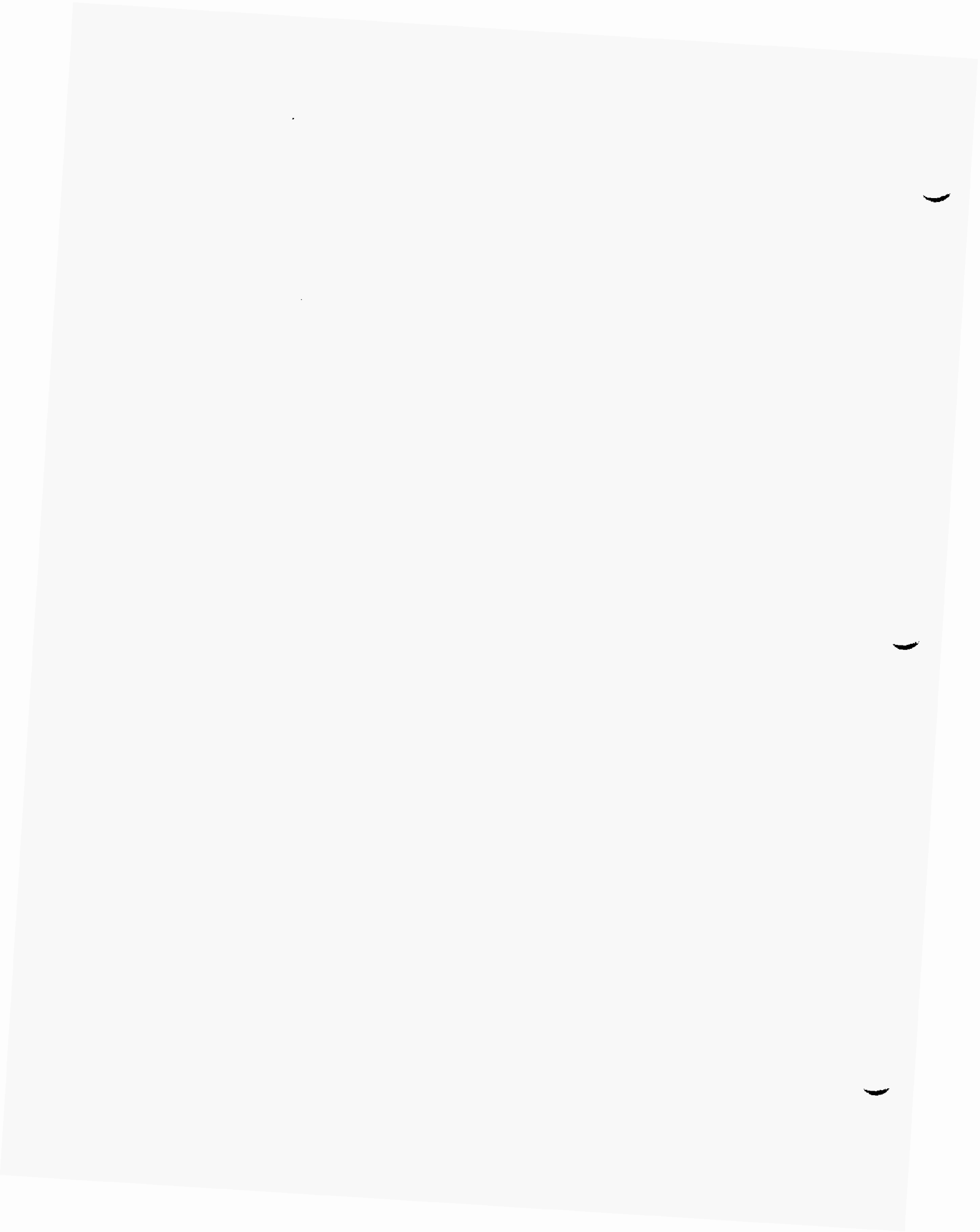
Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-10
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide the following information in order to calculate the average growth in ERCs for the last five years, including the test year. If the utility does not have single-family residential (SFR) customers, the largest customer class should be used as a substitute.

Line No.	(1) Year	(3) ERCs			(5) Gallons Treated	(6) Gallons/ERC (5)/(4)	(7) Total Gallons Treated	(8) Total ERCs (7)/(6)	(9) Annual % Incr. in ERCs
		(2) Beginning	(3) Ending	(4) Average					
1	1987								
2	1988 [1]	43.0	43.0	43.0					
3	1989	43.0	45.0	44.0	2,484,000	56,455	2,484,000	44.0	
4	1990	45.0	46.0	45.5	2,130,000	46,813	2,130,000	45.5	3.4%
5	1991	46.0	45.0	45.5	1,721,600	37,837	1,721,600	45.5	0.0%
Average Growth Through 5-Year Period (Col. 8)									1.7%

[1] Acquired August 1988. No prior data available.



Burnt Store - 2202

Charlotte/Lee County (SSU)

Sewer

- 1992 FPSC Filing -



GALLONS OF WASTEWATER TREATED

In Thousands of Gallons

Company: SSU / Charlotte / Burnt Store

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-2
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide a schedule of gallons of wastewater treated by individual plant for each month of the last year. Flow data should match the the monthly operating reports sent to DER.

Month/ Year	(1)	(2) Individual Plant Flows		(3)	(4)	(5)
	Burnt Store	(Name)	(Name)		Total Plant Flows	Total Purch. Sewage Treatment
January	2,233				2,233	
February	2,385				2,385	
March	2,647				2,647	
April	2,356				2,356	
May	2,119				2,119	
June	1,788				1,788	
July	2,476				2,476	
August	2,627				2,627	
September	2,455				2,455	
October	2,787				2,787	
November	2,810				2,810	
December	2,866				2,866	
Total	29,549				29,549	

WASTEWATER TREATMENT PLANT DATA

Company: SSU / Charlotte / Burnt Store

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-4
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide the following information for each wastewater treatment plant. All flow data must be obtained from the monthly operating reports (MORs) sent to the Department of Environmental Regulation.

	MONTH	GPD
1. Plant Capacity (limited by capacity of filters)		230,000
The hydraulic rated capacity. If different from that shown on the DER operating or construction permit, provide an explanation.		
2. Average Daily Flow Max Month	December	95,533
An average of the daily flows during the peak usage month during the last year. Explain, on a separate page, if this peak-month was influenced by abnormal infiltration due to rainfall periods.		
(There is no record that this peak month was influenced by any abnormal infiltration)		

USED AND USEFUL CALCULATIONS

Wastewater Treatment Plant

Company: SSU / Charlotte / Burnt Store

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-6
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide all calculations, analyses and governmental requirements used to determine the used and useful percentages for the wastewater treatment plant(s).

Recap Schedules: A-10,B-20

Line No.	Description	BURNT STORE
		(a)
1	FDER Operating Permit No.	DO08-168047
2	Permit Expiration Date	04/04/95
3	Permitted Plant Capacity (GPD)	230,000
4	Permitted Mode of Operation	E/A
5	Method(s) of Effluent Disposal	Ponds
6	Permitted Effluent Disposal System Capacity (MGD)	230,000
8	Other Limiting Plant Components:	
9	FDER Notice to Correct	No
10	Consent Order No.	N/A
11	Month Max Flow Occured	December
12	Peak Flow For Year	95,533
13	Beginning No. of ERC's	371
14	Ending No. of ERC's	393
15	Average No. of ERC's	382
16	Usage Per ERC (GPD)	250
17	Total Lots/ERC's Served By Mains Percentage (Accounts 382.4 and part of 353.4)	4,347
	<u>Used and Useful w/o Margin Reserve:</u>	
18	Plant Used and Useful Percentage (Accounts 354,364,380,381,389.3 and 389.4)	42%
19	Effluent Disposal Used and Useful Percentage (Accounts 382.4 and part of 353.4)	42%
20	Collection System Used and Useful (Accounts 353.2, 354.2, 360, 361, 363, 365.2, 366.2, 370.3 and 389.2)	9%
21	Margin Reserve Flow From Schedule F-8 Associated w/ 1.5 Years Growth:	17,733
22	Margin Reserve Growth From Schedule F-8 Associated w/ 1.5 Years Growth:	71
	<u>Used & Useful With Margin Reserve:</u>	
23	Plant Used and Useful Percentage (Accounts 354,364,380,381,389.3 and 389.4)	49%
24	Effluent Disposal Used and Useful Percentage (Accounts 382.4 and part of 353.4)	49%
25	Collection System Used and Useful (Accounts 353.2, 354.2, 360, 361, 363, 365.2, 366.2, 370.3 and 389.2)	10%

USED AND USEFUL CALCULATIONS
Water Distribution and Wastewater Collection Systems

Company: SSU / Charlotte / Burnt Store

FPSC

Docket No. 920199-WS
Test Year Ended: 12/31/91

Schedule F-7
Page 1 of 1
Preparer: G. Morse

Explanation: Provide all calculations, analyses and governmental requirements used to determine the used and useful percentages for the water distribution and wastewater collection systems. The capacity should be in terms of ability to serve a designated number of connections. It should then be related to actual connected density during the test year. If the distribution and collection systems are entirely contributed or built-out, this schedule is not required.

Recap Schedules: A-9,A-10,B-19,B-20
(See Schedules F-5 and F-6)

MARGIN RESERVE CALCULATIONS - SEWER

Company: SSU / Charlotte / Burnt Store

FPSC

Docket No. 920199-WS
Test Year Ended: 12/31/91

Schedule F-8
Page 1 of 1
Preparer: G. Morse

Explanation: If a margin reserve is requested, provide all calculations and analyses used to determine the amount of margin reserve for each portion of used and useful plant.

Recap Schedules: F-5,F-6,F-7

Line No.	Description	Burnt Store
		(a)
1	Annual Growth From Schedule F-10	12.4%
2	Number Of ERC's Associated With 1.5 Years Growth	71
3	Average Number Of Test Year ERC's	382
4	Projected Number Of ERC's	453
5	Test Year Usage Per ERC For Max Mo.	250
6	ADF 1.5 Years Into Future	113,266

EQUIVALENT RESIDENTIAL CONNECTIONS - WASTEWATER

Company: SSU / Charlotte / Burnt Store

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-10
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide the following information in order to calculate the average growth in ERCs for the last five years, including the test year. If the utility does not have single-family residential (SFR) customers, the largest customer class should be used as a substitute.

Line No.	(1) Year	(3) ERCs		(4) Average	(5) Gallons Treated	(6) Gallons/ ERC (5)/(4)	(7) Total Gallons Treated	(8) Total ERCs (7)/(6)	(9) Annual % incr. in ERCs
		(2) Beginning	Ending						
1	1987								
2	1988 [1]	290.0	290.0	290.0					
3	1989	290.0	315.0	302.5	23,725,000	78,430	23,725,000	302.5	
4	1990	315.0	371.0	343.0	27,187,000	79,262	27,187,000	343.0	13.4%
5	1991	371.0	393.0	382.0	29,549,000	77,353	29,549,000	382.0	11.4%
Average Growth Through 2-Year Period (Col. 8)									12.4%

[1] Acquired December 1988. No prior data available.

Chuluota - 335

Seminole County (SSU)

Sewer

- 1992 FPSC Filing -



GALLONS OF WASTEWATER TREATED

In Thousands of Gallons

Company: SSU / Seminole / Chuluota

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-2
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide a schedule of gallons of wastewater treated by individual plant for each month of the last year. Flow data should match the the monthly operating reports sent to DER.

Month/ Year	(1)	(2) Individual Plant Flows		(4)	(5)
	Chuluota	(Name)	(Name)	Total Plant Flows	Total Purch. Sewage Treatment
January	431			431	
February	350			350	
March	447			447	
April	585			585	
May	696			696	
June	808			808	
July	2,207			2,207	
August	1,945			1,945	
September	1,392			1,392	
October	1,727			1,727	
November	985			985	
December	924			924	
Total	12,497			12,497	

WASTEWATER TREATMENT PLANT DATA

Company: SSU / Seminole / Chuluota

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-4
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide the following information for each wastewater treatment plant. All flow data must be obtained from the monthly operating reports (MORs) sent to the Department of Environmental Regulation.

	MONTH	GPD
1. Plant Capacity		100,000
The hydraulic rated capacity. If different from that shown on the DER operating or construction permit, provide an explanation.		
2. Average Daily Flow Max Month	July	71,184
An average of the daily flows during the peak usage month during the test year. Explain, on a separate page, if this peak-month was influenced by abnormal infiltration due to rainfall periods. (There is no record that this peak month was influenced by any abnormal infiltration)		

USED AND USEFUL CALCULATIONS

Wastewater Treatment Plant

Company: SSU / Seminole / Chuluota

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-6
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide all calculations, analyses and governmental requirements used to determine the used and useful percentages for the wastewater treatment plant(s).

Recap Schedules: A-10,B-20

Line No.	Description	Chuluota
		(a)
1	FDER Operating Permit No.	DC39-151436
2	Permit Expiration Date	05/01/90
3	Permitted Plant Capacity (GPD)	100,000
4	Permitted Mode of Operation	E/A
5	Method(s) of Effluent Disposal	Spray Irr.
6	Permitted Effluent Disposal System Capacity (MGD)	100,000
7		
8	Other Limiting Plant Components:	
9	FDER Notice to Correct	No
10	Consent Order No.	N/A
11	Month Max Flow Occurred	July
12	Peak Flow For Year	71,194
13	Beginning No. of ERC's	128
14	Ending No. of ERC's	129
15	Average No. of ERC's	129
16	Usage Per ERC (GPD)	554
17	Total Lots/ERC's Served By Mains Percentage (Accounts 382.4 and part of 353.4)	155
	<u>Used and Useful w/o Margin Reserve:</u>	
18	Plant Used and Useful Percentage (Accounts 354,364,380,381,389.3 and 389.4)	71%
19	Effluent Disposal Used and Useful Percentage (Accounts 382.4 and part of 353.4)	71%
20	Collection System Used and Useful Percentage (Accounts 353.2, 354.2, 360, 361, 363, 365.2, 366.2, 370.3 and 389.2)	83%
21	Margin Reserve Flow From Schedule F-8 Associated w/ 1.5 Years Growth:	None Requested
22	Margin Reserve Growth From Schedule F-8 Associated w/ 1.5 Years Growth:	
	<u>Used & Useful With Margin Reserve:</u>	
23	Plant Used and Useful Percentage (Accounts 354,364,380,381,389.3 and 389.4)	
24	Effluent Disposal Used and Useful Percentage (Accounts 382.4 and part of 353.4)	
25	Collection System Used and Useful Percentage (Accounts 353.2, 354.2, 360, 361, 363, 365.2, 366.2, 370.3 and 389.2)	

USED AND USEFUL CALCULATIONS
Water Distribution and Wastewater Collection Systems

Company: SSU / Seminole / Chukota

FPSC

Docket No. 920199-WS
Test Year Ended: 12/31/91

Schedule F-7
Page 1 of 1
Preparer: G. Morse

Explanation: Provide all calculations, analyses and governmental requirements used to determine the used and useful percentages for the water distribution and wastewater collection systems. The capacity should be in terms of ability to serve a designated number of connections. It should then be related to actual connected density during the test year. If the distribution and collection systems are entirely contributed or built-out, this schedule is not required.

Recap Schedules: A-9,A-10,B-19,B-20
(See Schedules F-5 and F-6)

EQUIVALENT RESIDENTIAL CONNECTIONS - WASTEWATER

Company: SSU / Seminole / Chuluota

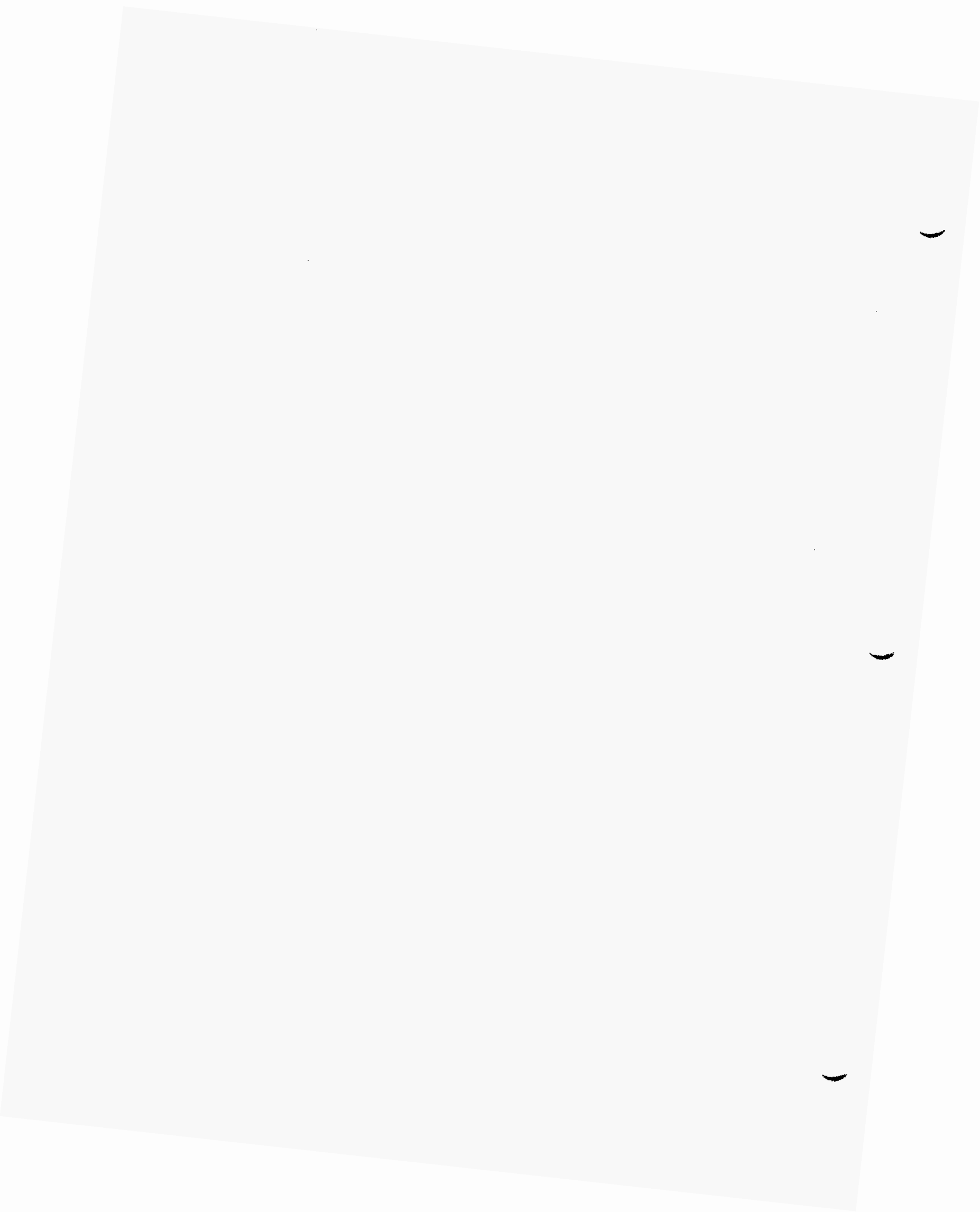
FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-10
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide the following information in order to calculate the average growth in ERCs for the last five years, including the test year. If the utility does not have single-family residential (SFR) customers, the largest customer class should be used as a substitute.

Line No.	(1) Year	(2) ERCs			(5) Gallons Treated	(6) Gallons/ERC (5)/(4)	(7) Total Gallons Treated	(8) Total ERCs (7)/(6)	(9) Annual % Incr. in ERCs
		Beginning	Ending	Average					
1	1987	124.0	128.0	126.0	10,890,000	86,429	10,890,000	126.0	ERR
2	1988	128.0	127.0	127.5	8,181,000	64,165	8,181,000	127.5	1.2%
3	1989	127.0	133.0	130.0	5,895,000	45,346	5,895,000	130.0	2.0%
4	1990	133.0	128.0	130.5	6,561,500	50,280	6,561,500	130.5	0.4%
5	1991	128.0	129.0	128.5	12,497,000	97,253	12,497,000	128.5	-1.5%
Average Growth Through 5-Year Period (Col. 8)									0.5%



Citrus Park - 1117

Marion County (SSU)

Sewer

- 1992 FPSC Filing -



GALLONS OF WASTEWATER TREATED

In Thousands of Gallons

Company: SSU / Marlon / Citrus Park

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-2
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide a schedule of gallons of wastewater treated by individual plant for each month of the test year. Flow data should match the the monthly operating reports sent to DER.

Month/ Year	(1)	(2)		(3)	(4)	(5)
	Citrus Park	Individual Plant Flows (Name)		(Name)	Total Plant Flows	Total Purch. Sewage Treatment
January	2,137				2,137	
February	1,483				1,483	
March	1,686				1,686	
April	1,481				1,481	
May	1,379				1,379	
June	1,279				1,279	
July	1,325				1,325	
August	1,649				1,649	
September	1,430				1,430	
October	732				732	
November	1,217				1,217	
December	1,457				1,457	
Total	17,255				17,255	

WASTEWATER TREATMENT PLANT DATA

Company: SSU / Marion / Citrus Park

FPSC

Docket No. 920189-WS
 Test Year Ended: 12/31/91

Schedule F-4
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide the following information for each wastewater treatment plant. All flow data must be obtained from the monthly operating reports (MORs) sent to the Department of Environmental Regulation.

	MONTH	GPD
1. Plant Capacity		64,000
The hydraulic rated capacity. If different from that shown on the DER operating or construction permit, provide an explanation.		
2. Average Daily Flow Max Month	January	68,935
An average of the daily flows during the peak usage month during the test year. Explain, on a separate page, if this peak-month was influenced by abnormal infiltration due to rainfall periods. (There is no record that this peak month was influenced by any abnormal infiltration)		

USED AND USEFUL CALCULATIONS

Wastewater Treatment Plant

Company: SSU / Marlon / Citrus Park

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-6
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide all calculations, analyses and governmental requirements used to determine the used and useful percentages for the wastewater treatment plant(s).

Recap Schedules: A-10,B-20

Line No.	Description	Citrus Park
		(a)
1	FDER Operating Permit No.	DO42-161926
2	Permit Expiration Date	05/05/94
3	Permitted Plant Capacity (GPD)	64,000
4	Permitted Mode of Operation	C/S
5	Method(s) of Effluent Disposal	Spray Irr.
6	Permitted Effluent Disposal System Capacity (MGD)	64,000
7	Other Limiting Plant Components:	
8		
9	FDER Notice to Correct	No
10	Consent Order No.	N/A
11	Month Max Flow Occurred	January
12	Peak Flow For Year	68,935
13	Beginning No. of ERC's	255
14	Ending No. of ERC's	255
15	Average No. of ERC's	255
16	Usage Per ERC (GPD)	270
17	Total Lots/ERC's Served By Mains Percentage (Accounts 382.4 and part of 353.4)	350
	<u>Used and Useful w/o Margin Reserve:</u>	
18	Plant Used and Useful Percentage (Accounts 354,364,380,381,389.3 and 389.4)	100%
19	Effluent Disposal Used and Useful Percentage (Accounts 382.4 and part of 353.4)	100%
20	Collection System Used and Useful (Accounts 353.2 , 354.2 , 360 , 361 , 363 , 365.2 , 366.2 , 370.3 and 389.2)	100% [1]
21	Margin Reserve Flow From Schedule F-8 Associated w/ 1.5 Years Growth:	None Requested
22	Margin Reserve Growth From Schedule F-8 Associated w/ 1.5 Years Growth:	
	<u>Used & Useful With Margin Reserve:</u>	
23	Plant Used and Useful Percentage (Accounts 354,364,380,381,389.3 and 389.4)	
24	Effluent Disposal Used and Useful Percentage (Accounts 382.4 and part of 353.4)	
25	Collection System Used and Useful (Accounts 353.2 , 354.2 , 360 , 361 , 363 , 365.2 , 366.2 , 370.3 and 389.2)	

[1] 100% used and useful based on system layout and customer density.

USED AND USEFUL CALCULATIONS

Water Distribution and Wastewater Collection Systems

Company: SSU / Marion / Citrus Park

FPSC

Docket No. 920199-WS
Test Year Ended: 12/31/91

Schedule F-7
Page 1 of 1
Preparer: G. Morse

Explanation: Provide all calculations, analyses and governmental requirements used to determine the used and useful percentages for the water distribution and wastewater collection systems. The capacity should be in terms of ability to serve a designated number of connections. It should then be related to actual connected density during the test year. If the distribution and collection systems are entirely contributed or built-out, this schedule is not required.

Recap Schedules: A-9, A-10, B-19, B-20
(See Schedules F-5 and F-6)

EQUIVALENT RESIDENTIAL CONNECTIONS - WASTEWATER

Company: SSU / Marion / Citrus Park

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-10
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide the following information in order to calculate the average growth in ERCs for the last five years, including the test year. If the utility does not have single-family residential (SFR) customers, the largest customer class should be used as a substitute.

Line No.	(1) Year	(2)-(4) ERCs			(5) Gallons Treated	(6) Gallons/ERC (5)/(4)	(7) Total Gallons Treated	(8) Total ERCs (7)/(6)	(9) Annual % Incr. in ERCs
		Beginning	Ending	Average					
1	1987	248.0	252.0	250.0	22,830,000	91,320	22,830,000	250.0	ERR
2	1988	252.0	251.0	251.5	12,698,000	50,489	12,698,000	251.5	0.6%
3	1989	251.0	250.0	250.5	13,138,000	52,447	13,138,000	250.5	-0.4%
4	1990	250.0	255.0	252.5	16,194,000	64,135	16,194,000	252.5	0.8%
5	1991	255.0	255.0	255.0	17,255,000	67,667	17,255,000	255.0	1.0%
Average Growth Through 5-Year Period (Col. 8)									0.5%



Citrus Springs Utilities - 9001

Citrus County (UFU)

Sewer

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GALLONS OF WASTEWATER TREATED

In Thousands of Gallons

Company: SSU / Citrus / Citrus Springs

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-2
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide a schedule of gallons of wastewater treated by individual plant for each month of the test year. Flow data should match the the monthly operating reports sent to DER.

Month/ Year	(1) Individual Plant Flows			(4) Total Plant Flows	(5) Total Purch. Sewage Treatment
	Citrus Springs	(2) (Name)	(3) (Name)		
January	2,743			2,743	
February	2,754			2,754	
March	3,175			3,175	
April	2,749			2,749	
May	2,700			2,700	
June	2,275			2,275	
July	2,703			2,703	
August	2,891			2,891	
September	2,706			2,706	
October	2,920			2,920	
November	2,919			2,919	
December	2,760			2,760	
Total	33,295			33,295	

WASTEWATER TREATMENT PLANT DATA

Company: SSU / Citrus / Citrus Springs

FPSC

Docket No. 920199-WS
Test Year Ended: 12/31/91

Schedule F-4
Page 1 of 1
Preparer: G. Morse

Explanation: Provide the following information for each wastewater treatment plant. All flow data must be obtained from the monthly operating reports (MORs) sent to the Department of Environmental Regulation.

	<u>MONTH</u>	<u>GPD</u>
1. Plant Capacity		200,000
The hydraulic rated capacity. If different from that shown on the DER operating or construction permit, provide an explanation.		
2. Average Daily Flow Max Month	March	102,419
An average of the daily flows during the peak usage month during the test year. Explain, on a separate page, if this peak-month was influenced by abnormal infiltration due to rainfall periods. (There is no record that this peak month was influenced by any abnormal infiltration)		

USED AND USEFUL CALCULATIONS

Wastewater Treatment Plant

Company: SSU / Citrus / Citrus Springs

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-6
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide all calculations, analyses and governmental requirements used to determine the used and useful percentages for the wastewater treatment plant(s).

Recap Schedules: A-10,B-20

Line No.	Description	Citrus Springs
		(a)
1	FDER Operating Permit No.	DC09-147228
2	Permit Expiration Date	05/24/92
3	Permitted Plant Capacity (GPD)	200,000
4	Permitted Mode of Operation	E/A
5	Method(s) of Effluent Disposal	Ponds/Spray Irr.
6	Permitted Effluent Disposal System Capacity (MGD)	200,000
7	Other Limiting Plant Components:	
8		
9	FDER Notice to Correct	No
10	Consent Order No.	N/A
11	Month Max Flow Occurred	March
12	Peak Flow For Year	102,419
13	Beginning No. of ERC's	695
14	Ending No. of ERC's	710
15	Average No. of ERC's	703
16	Usage Per ERC (GPD)	146
17	Total Lots/ERC's Served By Mains Percentage (Accounts 382.4 and part of 353.4)	2,500
	Used and Useful w/o Margin Reserve:	
18	Plant Used and Useful Percentage (Accounts 354,364,380,381,389.3 and 389.4)	51%
19	Effluent Disposal Used and Useful Percentage (Accounts 382.4 and part of 353.4)	51%
20	Collection System Used and Useful (Accounts 353.2, 354.2, 360, 361, 363, 365.2, 366.2, 370.3 and 389.2)	28%
21	Margin Reserve Flow From Schedule F-8 Associated w/ 1.5 Years Growth:	1,599
22	Margin Reserve Growth From Schedule F-8 Associated w/ 1.5 Years Growth:	11
	Used & Useful With Margin Reserve:	
23	Plant Used and Useful Percentage (Accounts 354,364,380,381,389.3 and 389.4)	52%
24	Effluent Disposal Used and Useful Percentage (Accounts 382.4 and part of 353.4)	52%
25	Collection System Used and Useful (Accounts 353.2, 354.2, 360, 361, 363, 365.2, 366.2, 370.3 and 389.2)	28%

USED AND USEFUL CALCULATIONS

Water Distribution and Wastewater Collection Systems

Company: SSU / Citrus / Citrus Springs

FPSC

Docket No. 920199-WS
Test Year Ended: 12/31/91

Schedule F-7
Page 1 of 1
Preparer: G. Morse

Explanation: Provide all calculations, analyses and governmental requirements used to determine the used and useful percentages for the water distribution and wastewater collection systems. The capacity should be in terms of ability to serve a designated number of connections. It should then be related to actual connected density during the test year. If the distribution and collection systems are entirely contributed or built-out, this schedule is not required.

Recap Schedules: A-9,A-10,B-19,B-20
(See Schedules F-5 and F-6)

MARGIN RESERVE CALCULATIONS - SEWER

Company: SSU / Citrus / Citrus Springs

FPSC

Docket No. 920199-WS
Test Year Ended: 12/31/91

Schedule F-8
Page 1 of 1
Preparer: G. Morse

Explanation: If a margin reserve is requested, provide all calculations and analyses used to determine the amount of margin reserve for each portion of used and useful plant.

Recap Schedules: F-5,F-6,F-7

Line No.	Description	Citrus Springs
		(a)
1	Annual Growth From Schedule F-10	1.0%
2	Number Of ERC's Associated With 1.5 Years Growth	11
3	Average Number Of Test Year ERC's	703
4	Projected Number Of ERC's	713
5	Test Year Usage Per ERC For Max Mo.	146
6	ADF 1.5 Years Into Future	104,018

EQUIVALENT RESIDENTIAL CONNECTIONS - WASTEWATER

Company: SSU / Citrus / Citrus Springs

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-10
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide the following information in order to calculate the average growth in ERCs for the last five years, including the test year. If the utility does not have single-family residential (SFR) customers, the largest customer class should be used as a substitute.

Line No.	(1) Year	(3) ERCs		(4) Average	(5) Gallons Treated	(6) Gallons/ERC (5)/(4)	(7) Total Gallons Treated	(8) Total ERCs (7)/(6)	(9) Annual % Incr. in ERCs
		(2) Beginning	Ending						
1	1987	660.0	688.0	674.0	20,999,000	31,156	20,999,000	674.0	ERR
2	1988	688.0	687.0	687.5	17,425,000	25,345	17,425,000	687.5	2.0%
3	1989	687.0	682.0	684.5	19,758,000	28,865	19,758,000	684.5	-0.4%
4	1990	682.0	695.0	688.5	31,724,000	46,077	31,724,000	688.5	0.6%
5	1991	695.0	710.0	702.5	33,295,000	47,395	33,295,000	702.5	2.0%
Average Growth Through 5-Year Period (Col. 8)									1.0%

Deltona Utilities - 18001

Volusia County (DUI)

Sewer

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GALLONS OF WASTEWATER TREATED

In Thousands of Gallons

Company: DUI-SSU / Volusia / Deltona Lakes

FPSC

Docket No. 820199-WS
 Test Year Ended: 12/31/91

Schedule F-2
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide a schedule of gallons of wastewater treated by individual plant for each month of the test year. Flow data should match the the monthly operating reports sent to DER.

Month/ Year	(1)	(2) Individual Plant Flows		(4)	(5)
	Deltona	(Name)	(Name)	Total Plant Flows	Total Purch. Sewage Treatment
January	21,360			21,360	
February	21,464			21,464	
March	22,447			22,447	
April	21,644			21,644	
May	17,574			17,574	
June	19,062			19,062	
July	26,489			26,489	
August	19,501			19,501	
September	20,338			20,338	
October	22,563			22,563	
November	19,444			19,444	
December	19,189			19,189	
Total	251,075			251,075	

WASTEWATER TREATMENT PLANT DATA

Company: DUI-SSU / Volusia / Deltona Lakes

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-4
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide the following information for each wastewater treatment plant. All flow data must be obtained from the monthly operating reports (MORs) sent to the Department of Environmental Regulation.

	MONTH	GPD
1. Plant Capacity The hydraulic rated capacity. If different from that shown on the DER operating or construction permit, provide an explanation.		900,000
2. Average Daily Flow Max Month An average of the daily flows during the peak usage month during the test year. Explain, on a separate page, if this peak-month was influenced by abnormal infiltration due to rainfall periods. (There is no record that this peak month was influenced by any abnormal infiltration)	July	854,484

USED AND USEFUL CALCULATIONS

Wastewater Treatment Plant

Company: DUI-SSU / Volusia / Deltona Lakes

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-6
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide all calculations, analyses and governmental requirements used to determine the used and useful percentages for the wastewater treatment plant(s).

Recap Schedules: A-10,B-20

Line No.	Description	Deltona Lakes
		(a)
1	FDER Operating Permit No.	DC64-165975
2	Permit Expiration Date	04/01/92
3	Permitted Plant Capacity (GPD)	900,000
4	Permitted Mode of Operation	C/S
5	Method(s) of Effluent Disposal	Ponds/Reuse
6	Permitted Effluent Disposal System Capacity (MGD)	900,000
8	Other Limiting Plant Components:	
9	FDER Notice to Correct	No
10	Consent Order No.	N/A
11	Month Max Flow Occurred	July
12	Peak Flow For Year	854,484
13	Beginning No. of ERC's	4,877
14	Ending No. of ERC's	4,850
15	Average No. of ERC's	4,863
16	Usage Per ERC (GPD)	176
17	Total Lots/ERC's Served By Mains Percentage (Accounts 382.4 and part of 353.4)	5,000
	<u>Used and Useful w/o Margin Reserve:</u>	
18	Plant Used and Useful Percentage (Accounts 354,364,380,381,389.3 and 389.4)	95%
19	Effluent Disposal Used and Useful Percentage (Accounts 382.4 and part of 353.4)	95%
20	Collection System Used and Useful (Accounts 353.2, 354.2, 360, 361, 363, 365.2, 366.2, 370.3 and 389.2)	100% [1]
21	Margin Reserve Flow From Schedule F-6 Associated w/ 1.5 Years Growth:	None Requested
22	Margin Reserve Growth From Schedule F-6 Associated w/ 1.5 Years Growth:	
	<u>Used & Useful With Margin Reserve:</u>	
23	Plant Used and Useful Percentage (Accounts 354,364,380,381,389.3 and 389.4)	
24	Effluent Disposal Used and Useful Percentage (Accounts 382.4 and part of 353.4)	
25	Collection System Used and Useful (Accounts 353.2, 354.2, 360, 361, 363, 365.2, 366.2, 370.3 and 389.2)	

[1] 100% used and useful based on customer density.

USED AND USEFUL CALCULATIONS

Water Distribution and Wastewater Collection Systems

Company: DUI-SSU / Volusia / Deltona Lakes

FPSC

Docket No. 920199-WS

Test Year Ended: 12/31/91

Schedule F-7

Page 1 of 1

Preparer: G. Morse

Explanation: Provide all calculations, analyses and governmental requirements used to determine the used and useful percentages for the water distribution and wastewater collection systems. The capacity should be in terms of ability to serve a designated number of connections. It should then be related to actual connected density during the test year. If the distribution and collection systems are entirely contributed or built-out, this schedule is not required.

Recap Schedules: A-9,A-10,B-19,B-20
(See Schedules F-5 and F-6)

EQUIVALENT RESIDENTIAL CONNECTIONS - WASTEWATER

Company: DUI-SSU / Volusia / Deltona Lakes

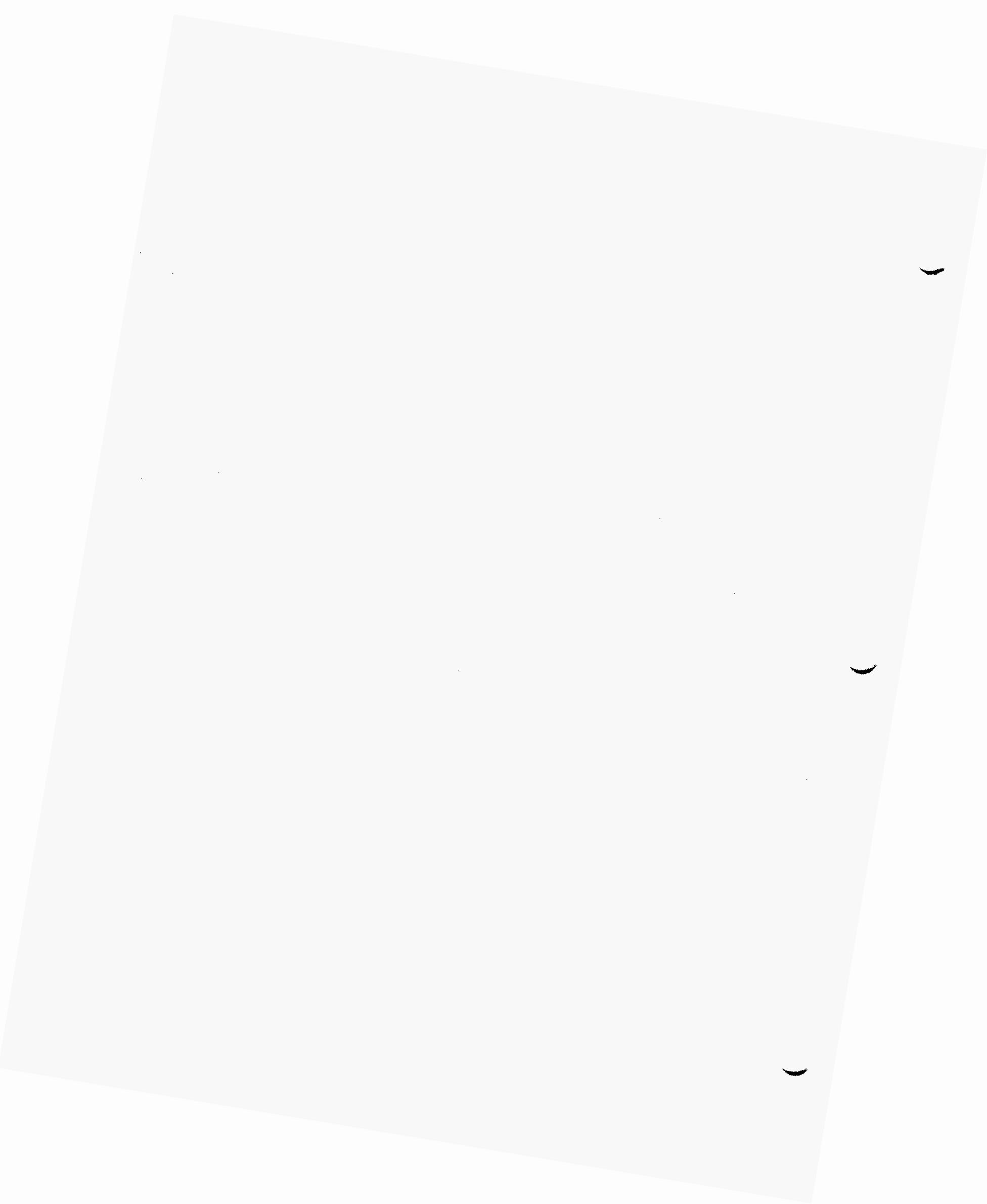
FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-10
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide the following information in order to calculate the average growth in ERCs for the last five years, including the test year. If the utility does not have single-family residential (SFR) customers, the largest customer class should be used as a substitute.

Line No.	(1) Year	(3) ERCs		(4) Average	(5) Gallons Treated	(6) Gallons/ERC (5)/(4)	(7) Total Gallons Treated	(8) Total ERCs (7)/(6)	(9) Annual % Incr. in ERCs
		(2) Beginning	Ending						
1	1987	4,660.0	4,656.0	4,658.0	279,756,000	60,059	279,756,000	4,658.0	ERR
2	1988	4,856.0	4,910.0	4,783.0	315,347,000	65,931	315,347,000	4,783.0	2.7%
3	1989	4,910.0	4,845.5	4,878.0	325,392,000	66,706	325,392,000	4,878.0	2.0%
4	1990	4,845.5	4,876.5	4,861.0	283,988,000	58,422	283,988,000	4,861.0	-0.3%
5	1991	4,876.5	4,849.5	4,863.0	251,075,000	51,630	251,075,000	4,863.0	0.0%
Average Growth Through 3-Year Period (Col. 8)									1.1%



Fisherman's Haven - 673

Martin County (SSU)

Sewer

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GALLONS OF WASTEWATER TREATED

In Thousands of Gallons

Company: SSU / Martin / Fishermans Haven

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-2
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide a schedule of gallons of wastewater treated by individual plant for each month of the last year. Flow data should match the the monthly operating reports sent to DER.

Month/ Year	(1)	(2)		(3)	(4)	(5)
	Fishermans Haven	Individual Plant Flows		(Name)	Total Plant Flows	Total Purch. Sewage Treatment
		(Name)		(Name)		
January	620				620	
February	532				532	
March	589				589	
April	426				426	
May	433				433	
June	382				382	
July	425				425	
August	379				379	
September	360				360	
October	341				341	
November	194				194	
December	244				244	
Total	4,925				4,925	

WASTEWATER TREATMENT PLANT DATA

Company: SSU / Martin / Fishermans Haven

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-4
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide the following information for each wastewater treatment plant. All flow data must be obtained from the monthly operating reports (MORs) sent to the Department of Environmental Regulation.

	MONTH	GPD
1. Plant Capacity The hydraulic rated capacity. If different from that shown on the DER operating or construction permit, provide an explanation.		25,000
2. Average Daily Flow Max Month An average of the daily flows during the peak usage month during the test year. Explain, on a separate page, if this peak-month was influenced by abnormal infiltration due to rainfall periods. (There is no record that this peak month was influenced by any abnormal infiltration)	January	20,000

USED AND USEFUL CALCULATIONS

Wastewater Treatment Plant

Company: SSU / Martin / Fishermans Haven

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-6
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide all calculations, analyses and governmental requirements used to determine the used and useful percentages for the wastewater treatment plant(s).

Recap Schedules: A-10,B-20

Line No.	Description	Fishermans Haven
		(a)
1	FDER Operating Permit No.	DC43-150277
2	Permit Expiration Date	02/28/92
3	Permitted Plant Capacity (GPD)	25,000
4	Permitted Mode of Operation	E/A
5	Method(s) of Effluent Disposal	Ponds/Drainfield
6	Permitted Effluent Disposal System Capacity (MGD)	25,000
8	Other Limiting Plant Components:	
9	FDER Notice to Correct	No
10	Consent Order No.	N/A
11	Month Max Flow Occurred	January
12	Peak Flow For Year	20,000
13	Beginning No. of ERC's	140
14	Ending No. of ERC's	143
15	Average No. of ERC's	142
16	Usage Per ERC (GPD)	141
17	Total Lots/ERC's Served By Mains Percentage (Accounts 382.4 and part of 353.4)	144
	<u>Used and Useful w/o Margin Reserve:</u>	
18	Plant Used and Useful Percentage (Accounts 354,364,380,381,389.3 and 389.4)	80%
19	Effluent Disposal Used and Useful Percentage (Accounts 382.4 and part of 353.4)	80%
20	Collection System Used and Useful (Accounts 353.2 , 354.2 , 360 , 361 , 363 , 365.2 , 366.2 , 370.3 and 389.2)	100% [1]
21	Margin Reserve Flow From Schedule F-8 Associated w/ 1.5 Years Growth:	None Requested
22	Margin Reserve Growth From Schedule F-8 Associated w/ 1.5 Years Growth:	
	<u>Used & Useful With Margin Reserve:</u>	
23	Plant Used and Useful Percentage (Accounts 354,364,380,381,389.3 and 389.4)	
24	Effluent Disposal Used and Useful Percentage (Accounts 382.4 and part of 353.4)	
25	Collection System Used and Useful (Accounts 353.2 , 354.2 , 360 , 361 , 363 , 365.2 , 366.2 , 370.3 and 389.2)	

[1] 100% based on customer density, system layout, and pipe size.

USED AND USEFUL CALCULATIONS

Water Distribution and Wastewater Collection Systems

Company: SSU / Marth / Fishermans Haven

FPSC

Docket No. 920199-WS
Test Year Ended: 12/31/91

Schedule F-7
Page 1 of 1
Preparer: G. Morse

Explanation: Provide all calculations, analyses and governmental requirements used to determine the used and useful percentages for the water distribution and wastewater collection systems. The capacity should be in terms of ability to serve a designated number of connections. It should then be related to actual connected density during the test year. If the distribution and collection systems are entirely contributed or built-out, this schedule is not required.

Recap Schedules: A-9,A-10,B-19,B-20
(See Schedules F-5 and F-6)

EQUIVALENT RESIDENTIAL CONNECTIONS - WASTEWATER

Company: SSU / Martin / Fishermans Haven

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-10
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide the following information in order to calculate the average growth in ERCs for the last five years, including the test year. If the utility does not have single-family residential (SFR) customers, the largest customer class should be used as a substitute.

Line No.	(1) Year	(2) ERCs		(4) Average	(5) Gallons Treated	(6) Gallons/ERC (5)/(4)	(7) Total Gallons Treated	(8) Total ERCs (7)/(6)	(9) Annual % Incr. in ERCs
		Beginning	Ending						
1	1987	127.0	127.0	127.0	10,280,000	80,945	10,280,000	127.0	ERR
2	1988	127.0	135.0	131.0	9,168,000	69,985	9,168,000	131.0	3.1%
3	1989	135.0	134.0	134.5	10,121,000	75,249	10,121,000	134.5	2.7%
4	1990	134.0	140.0	137.0	6,764,000	49,372	6,764,000	137.0	1.9%
5	1991	140.0	143.0	141.5	4,925,000	34,806	4,925,000	141.5	3.3%
Average Growth Through 5-Year Period (Col. 8)									2.7%

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Florida Central Comm. Park - 340

Seminole County (SSU)

Sewer

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GALLONS OF WASTEWATER TREATED

In Thousands of Gallons

Company: SSU / Seminole / FI Central Commerce Park

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-2
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide a schedule of gallons of wastewater treated by individual plant for each month of the last year. Flow data should match the the monthly operating reports sent to DER.

Month/ Year	(1)	(2)		(3)	(4)	(5)
	Commerce Park	Individual Plant Flows (Name)		(Name)	Total Plant Flows	Total Purch. Sewage Treatment
January	418				418	
February	515				515	
March	585				585	
April	974				974	
May	995				995	
June	799				799	
July	838				838	
August	791				791	
September	494				494	
October	681				681	
November	885				885	
December	756				756	
Total	8,731				8,731	

WASTEWATER TREATMENT PLANT DATA

Company: SSU / Seminole / FI Central Commerce Park

FPSC

Docket No. 920199-WS
Test Year Ended: 12/31/91

Schedule F-4
Page 1 of 1
Preparer: G. Morse

Explanation: Provide the following information for each wastewater treatment plant. All flow data must be obtained from the monthly operating reports (MORs) sent to the Department of Environmental Regulation.

	<u>MONTH</u>	<u>GPD</u>
1. Plant Capacity		95,000
The hydraulic rated capacity. If different from that shown on the DER operating or construction permit, provide an explanation.		
2. Average Daily Flow Max Month	May	32,097
An average of the daily flows during the peak usage month during the test year. Explain, on a separate page, if this peak-month was influenced by abnormal infiltration due to rainfall periods. (There is no record that this peak month was influenced by any abnormal infiltration)		

USED AND USEFUL CALCULATIONS

Wastewater Treatment Plant

Company: SSU / Seminole / FI Central Commerce Park

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-6
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide all calculations, analyses and governmental requirements used to determine the used and useful percentages for the water treatment plant(s).

Recap Schedules: A-9,B-19

Line No.	Description	FL Central Comm Park	
		(a)	
1	FDER Operating Permit No.	DO59-195077	
2	Permit Expiration Date	05/03/96	
3	Permitted Plant Capacity (GPD)	95,000	
4	Permitted Mode of Operation	E/A	
5	Method(s) of Effluent Disposal	Spray Irrig	
6	Permitted Effluent Disposal System Capacity (MGD)	95,000	
8	Other Limiting Plant Components:		
9	FDER Notice to Correct	No	
10	Consent Order No.	N/A	
11	Month Max Flow Occurred	May	
12	Peak Flow For Year	32,097	
13	Beginning No. of ERC's	119	
14	Ending No. of ERC's	126	
15	Average No. of ERC's	122	
16	Usage Per ERC (GPD)	263	
17	Total Lots/ERC's Served By Mains Percentage (Accounts 382.4 and part of 353.4)	345	
	<u>Used and Useful w/o Margin Reserve:</u>		
18	Plant Used and Useful Percentage (Accounts 354,364,380,381,389.3 and 389.4)	34%	
19	Effluent Disposal Used and Useful Percentage (Accounts 382.4 and part of 353.4)	34%	
20	Collection System Used and Useful (Accounts 353.2 , 354.2 , 360 , 361 , 363 , 365.2 , 366.2 , 370.3 and 389.2)	35%	
21	Margin Reserve Flow From Schedule F-8 Associated w/ 1.5 Years Growth:	9,629	
22	Margin Reserve Growth From Schedule F-8 Associated w/ 1.5 Years Growth:	37	[1]
	<u>Used & Useful With Margin Reserve:</u>		
23	Plant Used and Useful Percentage (Accounts 354,364,380,381,389.3 and 389.4)	44%	
24	Effluent Disposal Used and Useful Percentage (Accounts 382.4 and part of 353.4)	44%	
25	Collection System Used and Useful (Accounts 353.2 , 354.2 , 360 , 361 , 363 , 365.2 , 366.2 , 370.3 and 389.2)	43%	[1]

[1] Reflects a 20% margin reserve growth rate.

USED AND USEFUL CALCULATIONS

Water Distribution and Wastewater Collection Systems

Company: SSU / Seminole / Ft Central Commerce Park

FPSC

Docket No. 920199-WS

Test Year Ended: 12/31/91

Schedule F-7

Page 1 of 1

Preparer: G. Morse

Explanation: Provide all calculations, analyses and governmental requirements used to determine the used and useful percentages for the water distribution and wastewater collection systems. The capacity should be in terms of ability to serve a designated number of connections. It should then be related to actual connected density during the test year. If the distribution and collection systems are entirely contributed or built-out, this schedule is not required.

Recap Schedules: A-9,A-10,B-19,B-20
(See Schedules F-5 and F-6)

MARGIN RESERVE CALCULATIONS - SEWER

Company: SSU / Seminole / FI Central Commerce Park

FPSC

Docket No. 920199-WS
Test Year Ended: 12/31/91

Schedule F-8
Page 1 of 1
Preparer: G. Morse

Explanation: If a margin reserve is requested, provide all calculations and analyses used to determine the amount of margin reserve for each portion of used and useful plant.

Recap Schedules: F-5,F-6,F-7

Line No.	Description	FI Central Commerce Pk
		(a)
1	Annual Growth From Schedule F-10	20.0%
2	Number Of ERC's Associated With 1.5 Years Growth	37
3	Average Number Of Test Year ERC's	122
4	Projected Number Of ERC's	159
5	Test Year Usage Per ERC For Max Mo.	263
6	ADF 1.5 Years Into Future	41,726

EQUIVALENT RESIDENTIAL CONNECTIONS - WASTEWATER

Company: SSU / Seminole / FI Central Commerce Park

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-10
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide the following information in order to calculate the average growth in ERCs for the last five years, including the test year. If the utility does not have single-family residential (SFR) customers, the largest customer class should be used as a substitute.

Line No.	(1) Year	(2)-(4) ERCs			(5) Gallons Treated	(6) Gallons/ERC (5)/(4)	(7) Total Gallons Treated	(8) Total ERCs (7)/(6)	(9) Annual % Incr. in ERCs
		(2) Beginning	(3) Ending	(4) Average					
1	1987								
2	1988								
3	1989 [1]	59.0	59.0	59.0	478,000	8,102	478,000	59.0	
4	1990	59.0	119.0	89.0	5,421,000	60,910	5,421,000	89.0	
5	1991	119.0	125.5	122.5	8,731,000	71,273	8,731,000	122.5	
Average Growth Through 2-Year Period (Col. 8)								44.1%	

[1] New plant on line October 17, 1989. Prior to this, customers were on septic tanks.

Fox Run - 679

Martin County (SSU)

Sewer

- 1992 FPSC Filing -

GALLONS OF WASTEWATER TREATED

In Thousands of Gallons

Company: SSU / Martin / Fox Run

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-2
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide a schedule of gallons of wastewater treated by individual plant for each month of the test year. Flow data should match the the monthly operating reports sent to DER.

Month/ Year	(1) Individual Plant Flows			(4) Total Plant Flows	(5) Total Purch. Sewage Treatment
	(1) Fox Run	(2) (Name)	(3) (Name)		
January	598			598	
February	619			619	
March	637			637	
April	649			649	
May	612			612	
June	661			661	
July	668			668	
August	654			654	
September	630			630	
October	588			588	
November	609			609	
December	579			579	
Total	7,504			7,504	

WASTEWATER TREATMENT PLANT DATA

Company: SSU / Martin / Fox Run

FPSC

Docket No. 920199-WS
Test Year Ended: 12/31/91

Schedule F-4
Page 1 of 1
Preparer: G. Morse

Explanation: Provide the following information for each wastewater treatment plant. All flow data must be obtained from the monthly operating reports (MORs) sent to the Department of Environmental Regulation.

	<u>MONTH</u>	<u>GPD</u>
1. Plant Capacity		40,000
The hydraulic rated capacity. If different from that shown on the DER operating or construction permit, provide an explanation.		
2. Average Daily Flow Max Month	July	21,548
An average of the daily flows during the peak usage month during the test year. Explain, on a separate page, if this peak-month was influenced by abnormal infiltration due to rainfall periods. (There is no record that this peak month was influenced by any abnormal infiltration)		

USED AND USEFUL CALCULATIONS

Wastewater Treatment Plant

Company: SSU / Martin / Fox Run

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-6
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide all calculations, analyses and governmental requirements used to determine the used and useful percentages for the wastewater treatment plant(s).

Recap Schedules: A-10,B-20

Line No.	Description	Fox Run	
		(a)	
1	FDER Operating Permit No.	Do43-107799	
2	Permit Expiration Date	09/06/90	
3	Permitted Plant Capacity (GPD)	40,000	
4	Permitted Mode of Operation	E/A	
5	Method(s) of Effluent Disposal	Drainfield	
6	Permitted Effluent Disposal System Capacity (MGD)	40,000	
7	Other Limiting Plant Components:		
8			
9	FDER Notice to Correct	No	
10	Consent Order No.	N/A	
11	Month Max Flow Occurred	July	
12	Peak Flow For Year	21,548	
13	Beginning No. of ERC's	86	
14	Ending No. of ERC's	93	
15	Average No. of ERC's	90	
16	Usage Per ERC (GPD)	241	
17	Total Lots/ERC's Served By Mains Percentage (Accounts 382.4 and part of 353.4)	109	
	<u>Used and Useful w/o Margin Reserve:</u>		
18	Plant Used and Useful Percentage (Accounts 354,364,380,381,389.3 and 389.4)	54%	
19	Effluent Disposal Used and Useful Percentage (Accounts 382.4 and part of 353.4)	54%	
20	Collection System Used and Useful (Accounts 353.2, 354.2, 360, 361, 363, 365.2, 366.2, 370.3 and 389.2)	100%	[1]
21	Margin Reserve Flow From Schedule F-8 Associated w/ 1.5 Years Growth:	3,702	
22	Margin Reserve Growth From Schedule F-8 Associated w/ 1.5 Years Growth:	15	
	<u>Used & Useful With Margin Reserve:</u>		
23	Plant Used and Useful Percentage (Accounts 354,364,380,381,389.3 and 389.4)	63%	
24	Effluent Disposal Used and Useful Percentage (Accounts 382.4 and part of 353.4)	63%	
25	Collection System Used and Useful (Accounts 353.2, 354.2, 360, 361, 363, 365.2, 366.2, 370.3 and 389.2)	100%	[1]

[1] 100% used and useful based on customer density, pipe size and layout.

USED AND USEFUL CALCULATIONS

Water Distribution and Wastewater Collection Systems

Company: SSU / Martin / Fox Run

FPSC

Docket No. 920199-WS

Test Year Ended: 12/31/91

Schedule F-7

Page 1 of 1

Preparer: G. Morse

Explanation: Provide all calculations, analyses and governmental requirements used to determine the used and useful percentages for the water distribution and wastewater collection systems. The capacity should be in terms of ability to serve a designated number of connections. It should then be related to actual connected density during the test year. If the distribution and collection systems are entirely contributed or built-out, this schedule is not required.

Recap Schedules: A-9,A-10,B-19,B-20
(See Schedules F-5 and F-6)

MARGIN RESERVE CALCULATIONS - SEWER

Company: SSU / Martin / Fox Run

FPSC

Docket No. 920199-WS
Test Year Ended: 12/31/91

Schedule F-8
Page 1 of 1
Preparer: G. Morse

Explanation: If a margin reserve is requested, provide all calculations and analyses used to determine the amount of margin reserve for each portion of used and useful plant.

Recap Schedules: F-5,F-6,F-7

Line No.	Description	Fox Run
		(a)
1	Annual Growth From Schedule F-10	11.5%
2	Number Of ERC's Associated With 1.5 Years Growth	15
3	Average Number Of Test Year ERC's	90
4	Projected Number Of ERC's	105
5	Test Year Usage Per ERC For Max Mo.	241
6	ADF 1.5 Years Into Future	25,251

EQUIVALENT RESIDENTIAL CONNECTIONS - WASTEWATER

Company: SSU / Martin / Fox Run

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-10
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide the following information in order to calculate the average growth in ERCs for the last five years, including the test year. If the utility does not have single-family residential (SFR) customers, the largest customer class should be used as a substitute.

Line No.	(1) Year	(3) ERCs			(5) Gallons Treated	(6) Gallons/ERC (5)/(4)	(7) Total Gallons Treated	(8) Total ERCs (7)/(6)	(9) Annual % Incr. in ERCs
		(2) Beginning	(3) Ending	(4) Average					
1	1987	52.0	64.0	58.0	3,220,000	55,517	3,220,000	58.0	ERR
2	1988	64.0	76.0	70.0	5,056,000	72,229	5,056,000	70.0	20.7%
3	1989	76.0	83.0	79.5	5,609,000	70,553	5,609,000	79.5	13.6%
4	1990	83.0	86.0	84.5	7,777,000	92,036	7,777,000	84.5	6.3%
5	1991	86.0	89.0	89.5	7,504,000	83,844	7,504,000	89.5	5.9%
Average Growth Through 5-Year Period (Col. 8)									11.5%

Holiday Haven - 573

Lake County (SSU)

Sewer

- 1992 FPSC Filing -

1

2

3

GALLONS OF WASTEWATER TREATED

In Thousands of Gallons

Company: SSU / Lake / Holiday Haven

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-2
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide a schedule of gallons of wastewater treated by individual plant for each month of the test year. Flow data should match the the monthly operating reports sent to DER.

Month/ Year	(1)	(2) Individual Plant Flows		(3)	(4)	(5)
	Holiday Haven	(Name)	(Name)		Total Plant Flows	Total Purch. Sewage Treatment
January	247				247	
February	234				234	
March	323				323	
April	337				337	
May	295				295	
June	356				356	
July	347				347	
August	308				308	
September	251				251	
October	304				304	
November	262				262	
December	307				307	
Total	3,571				3,571	

WASTEWATER TREATMENT PLANT DATA

Company: SSU / Lake / Holiday Haven

FPSC

Docket No. 920189-WS
Test Year Ended: 12/31/91

Schedule F-4
Page 1 of 1
Preparer: G. Morse

Explanation: Provide the following information for each wastewater treatment plant. All flow data must be obtained from the monthly operating reports (MORs) sent to the Department of Environmental Regulation.

	MONTH	GPD
1. Plant Capacity		25,000
The hydraulic rated capacity. If different from that shown on the DER operating or construction permit, provide an explanation.		
2. Average Daily Flow Max Month	June	11,867
An average of the daily flows during the peak usage month during the test year. Explain, on a separate page, if this peak-month was influenced by abnormal infiltration due to rainfall periods. (There is no record that this peak month was influenced by any abnormal infiltration)		

USED AND USEFUL CALCULATIONS

Wastewater Treatment Plant

Company: SSU / Lake / Holiday Haven

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-6
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide all calculations, analyses and governmental requirements used to determine the used and useful percentages for the water treatment plant(s).

Recap Schedules: A-9,B-19

Line No.	Description	Holiday Haven
		(a)
1	FDER Operating Permit No.	DT35-148316
2	Permit Expiration Date	12/30/92
3	Permitted Plant Capacity (GPD)	25,000
4	Permitted Mode of Operation	E/A
5	Method(s) of Effluent Disposal	Ponds
6	Permitted Effluent Disposal	
7	System Capacity (MGD)	25,000
8	Other Limiting Plant Components:	
9	FDER Notice to Correct	No
10	Consent Order No.	N/A
11	Month Max Flow Occurred	June
12	Peak Flow For Year	11,867
13	Beginning No. of ERC's	101
14	Ending No. of ERC's	102
15	Average No. of ERC's	102
16	Usage Per ERC (GPD)	117
17	Total Lots/ERC's Served By Mains Percentage (Accounts 382.4 and part of 353.4)	166
	Used and Useful w/o Margin Reserve:	
18	Plant Used and Useful Percentage (Accounts 354,364,380,381,389.3 and 389.4)	47%
19	Effluent Disposal Used and Useful Percentage (Accounts 382.4 and part of 353.4)	47%
20	Collection System Used and Useful (Accounts 353.2 , 354.2 , 360 , 361 , 363 , 365.2 , 366.2 , 370.3 and 389.2)	61%
21	Margin Reserve Flow From Schedule F-8 Associated w/ 1.5 Years Growth:	N/R
22	Margin Reserve Growth From Schedule F-8 Associated w/ 1.5 Years Growth:	
	Used & Useful With Margin Reserve:	
23	Plant Used and Useful Percentage (Accounts 354,364,380,381,389.3 and 389.4)	
24	Effluent Disposal Used and Useful Percentage (Accounts 382.4 and part of 353.4)	
25	Collection System Used and Useful (Accounts 353.2 , 354.2 , 360 , 361 , 363 , 365.2 , 366.2 , 370.3 and 389.2)	

USED AND USEFUL CALCULATIONS
Water Distribution and Wastewater Collection Systems

Company: SSU / Lake / Holiday Haven

FPSC

Docket No. 920199-WS
Test Year Ended: 12/31/91

Schedule F-7
Page 1 of 1
Preparer: G. Morse

Explanation: Provide all calculations, analyses and governmental requirements used to determine the used and useful percentages for the water distribution and wastewater collection systems. The capacity should be in terms of ability to serve a designated number of connections. It should then be related to actual connected density during the test year. If the distribution and collection systems are entirely contributed or built-out, this schedule is not required.

Recap Schedules: A-9, A-10, B-19, B-20
(See Schedules F-5 and F-6)

EQUIVALENT RESIDENTIAL CONNECTIONS - WASTEWATER

Company: SSU / Lake / Holiday Haven

FPSC

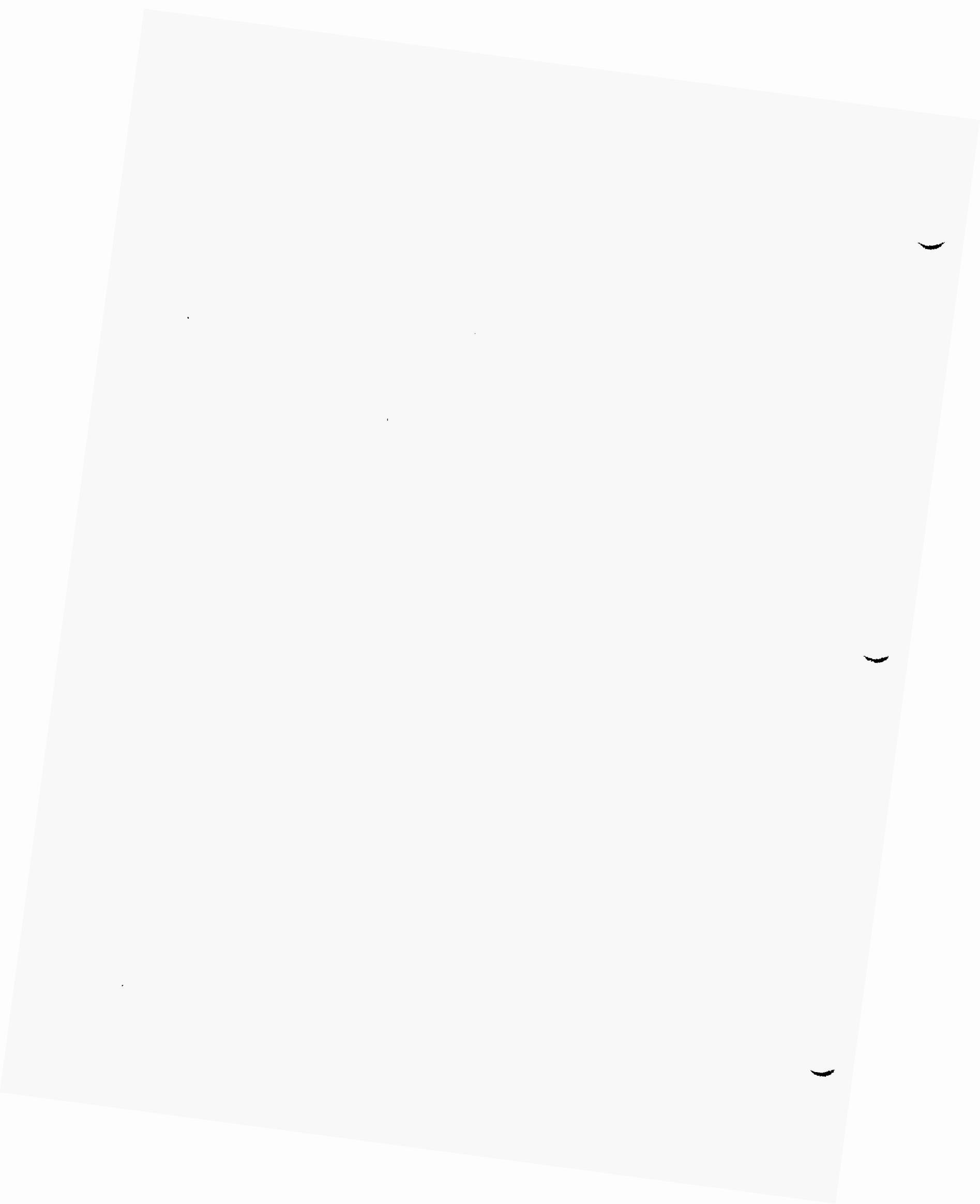
Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-10
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide the following information in order to calculate the average growth in ERCs for the last five years, including the test year. If the utility does not have single-family residential (SFR) customers, the largest customer class should be used as a substitute.

Line No.	(1) Year	(3) ERCs		(4) Average	(5) Gallons Treated	(6) Gallons/ERC (5)/(4)	(7) Total Gallons Treated	(8) Total ERCs (7)/(6)	(9) Annual % Incr. in ERCs
		(2) Beginning	(3) Ending						
1	1987 [1]	97.0	97.0	97.0	389,000	4,010	389,000	97.0	ERR
2	1988	97.0	101.0	99.0	4,687,000	47,343	4,687,000	99.0	2.1%
3	1989	101.0	99.0	100.0	3,490,000	34,900	3,490,000	100.0	1.0%
4	1990	99.0	101.0	100.0	2,788,000	27,880	2,788,000	100.0	0.0%
5	1991	101.0	102.0	101.5	3,571,000	35,182	3,571,000	101.5	1.5%
Average Growth Through 5-Year Period (Col. 8)									1.1%

[1] Acquired December 1987.



Jungle Den - 1802

Volusia County (SSU)

Sewer

- 1992 FPSC Filing -

GALLONS OF WASTEWATER TREATED

In Thousands of Gallons

Company: SSU / Volusia / Jungle Den

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-2
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide a schedule of gallons of wastewater treated by individual plant for each month of the test year. Flow data should match the the monthly operating reports sent to DER.

Month/ Year	(1)	(2)		(3)	(4)	(5)
	Jungle Den	Individual Plant Flows		(Name)	Total Plant Flows	Total Purch. Sewage Treatment
January	295				295	
February	351				351	
March	433				433	
April	378				378	
May	433				433	
June	471				471	
July	388				388	
August	280				280	
September	258				258	
October	362				362	
November	304				304	
December	278				278	
Total	4,231				4,231	

WASTEWATER TREATMENT PLANT DATA

Company: SSU / Volusia / Jungle Den

FPSC

Docket No. 920189-WS
 Test Year Ended: 12/31/91

Schedule F-4
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide the following information for each wastewater treatment plant. All flow data must be obtained from the monthly operating reports (MORs) sent to the Department of Environmental Regulation.

	MONTH	GPD
1. Plant Capacity The hydraulic rated capacity. If different from that shown on the DER operating or construction permit, provide an explanation.		25,000
2. Average Daily Flow Max Month An average of the daily flows during the peak usage month during the test year. Explain, on a separate page, if this peak-month was influenced by abnormal infiltration due to rainfall periods. (There is no record that this peak month was influenced by any abnormal infiltration)	June	15,700

USED AND USEFUL CALCULATIONS

Wastewater Treatment Plant

Company: SSU / Volusia / Jungle Den

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-6
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide all calculations, analyses and governmental requirements used to determine the used and useful percentages for the water treatment plant(s).

Recap Schedules: A-9,B-19

Line No.	Description	Jungle Den	
		(a)	
1	FDER Operating Permit No.	DO64-173345	
2	Permit Expiration Date	12/20/94	
3	Permitted Plant Capacity (GPD)	25,000	
4	Permitted Mode of Operation	E/A	
5	Method(s) of Effluent Disposal	Spray Irrig	
6	Permitted Effluent Disposal System Capacity (MGD)	25,000	
8	Other Limiting Plant Components:		
9	FDER Notice to Correct	No	
10	Consent Order No.	N/A	
11	Month Max Flow Occurred	June	
12	Peak Flow For Year	15,700	
13	Beginning No. of ERC's	111	
14	Ending No. of ERC's	114	
15	Average No. of ERC's	113	
16	Usage Per ERC (GPD)	140	
17	Total Lots/ERC's Served By Mains Percentage (Accounts 382.4 and part of 353.4)	135	
	<u>Used and Useful w/o Margin Reserve:</u>		
18	Plant Used and Useful Percentage (Accounts 354,364,380,381,389.3 and 389.4)	63%	
19	Effluent Disposal Used and Useful Percentage (Accounts 382.4 and part of 353.4)	63%	
20	Collection System Used and Useful (Accounts 353.2, 354.2, 360, 361, 363, 365.2, 366.2, 370.3 and 389.2)	100%	[1]
21	Margin Reserve Flow From Schedule F-8 Associated w/ 1.5 Years Growth:	625	
22	Margin Reserve Growth From Schedule F-8 Associated w/ 1.5 Years Growth:	4	
	<u>Used & Useful With Margin Reserve:</u>		
23	Plant Used and Useful Percentage (Accounts 354,364,380,381,389.3 and 389.4)	65%	
24	Effluent Disposal Used and Useful Percentage (Accounts 382.4 and part of 353.4)	65%	
25	Collection System Used and Useful (Accounts 353.2, 354.2, 360, 361, 363, 365.2, 366.2, 370.3 and 389.2)	100%	[1]

[1] 100% used and useful based on customer density and pipe size.

USED AND USEFUL CALCULATIONS
Water Distribution and Wastewater Collection Systems

Company: SSU / Volusia / Jungle Den

FPSC

Docket No. 920199-WS
Test Year Ended: 12/31/91

Schedule F-7
Page 1 of 1
Preparer: G. Morse

Explanation: Provide all calculations, analyses and governmental requirements used to determine the used and useful percentages for the water distribution and wastewater collection systems. The capacity should be in terms of ability to serve a designated number of connections. It should then be related to actual connected density during the test year. If the distribution and collection systems are entirely contributed or built-out, this schedule is not required.

Recap Schedules: A-9,A-10,B-19,B-20

Based on a total of 135 lots and 114 connections, the water system is 100% used and useful.
For wastewater collection system, see Schedule F-6

MARGIN RESERVE CALCULATIONS - SEWER

Company: SSU / Volusia / Jungle Den

FPSC

Docket No. 920199-WS
Test Year Ended: 12/31/91

Schedule F-8
Page 1 of 1
Preparer: G. Morse

Explanation: If a margin reserve is requested, provide all calculations and analyses used to determine the amount of margin reserve for each portion of used and useful plant.

Recap Schedules: F-5, F-6, F-7

Line No.	Description	Jungle Den
		(a)
1	Annual Growth From Schedule F-10	2.7%
2	Number Of ERC's Associated With 1.5 Years Growth	4
3	Average Number Of Test Year ERC's	113
4	Projected Number Of ERC's	117
5	Test Year Usage Per ERC For Max Mo.	140
6	ADF 1.5 Years into Future	16,325

EQUIVALENT RESIDENTIAL CONNECTIONS - WASTEWATER

Company: SSU / Volusia / Jungle Den

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-10
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide the following information in order to calculate the average growth in ERCs for the last five years, including the test year. If the utility does not have single-family residential (SFR) customers, the largest customer class should be used as a substitute.

Line No.	(1) Year	(2) ERCs			(5) Gallons Treated	(6) Gallons/ERC (5)/(4)	(7) Total Gallons Treated	(8) Total ERCs (7)/(6)	(9) Annual % Incr. in ERCs
		Beginning	Ending	Average					
1	1987 [1]	104.0	104.0	104.0	0	0	0	ERR	ERR
2	1988	104.0	104.0	104.0	2,545,000	24,471	2,545,000	104.0	ERR
3	1989	104.0	112.0	108.0	2,124,000	19,667	2,124,000	108.0	3.8%
4	1990	112.0	111.0	111.5	2,489,000	22,323	2,489,000	111.5	3.2%
5	1991	111.0	114.0	112.5	4,231,000	37,609	4,231,000	112.5	0.9%
Average Growth Through 3-Year Period (Col. 8)									2.7%

[1] Acquired December 1987.

Leilani Heights - 675

Martin County (SSU)

Sewer

- 1992 FPSC Filing -

1

2

3

GALLONS OF WASTEWATER TREATED

In Thousands of Gallons

Company: SSU / Martin / Leilani Heights

FPSC

Docket No. 920199-WS
Test Year Ended: 12/31/91Schedule F-2
Page 1 of 1
Preparer: G. Morse

Explanation: Provide a schedule of gallons of wastewater treated by individual plant for each month of the test year. Flow data should match the the monthly operating reports sent to DER.

Month/ Year	(1)	(2)		(3)	(4)	(5)
	Leilani Heights	Individual Plant Flows			Total Plant Flows	Total Purch. Sewage Treatment
		(Name)	(Name)			
January	4,343				4,343	
February	2,884				2,884	
March	2,368				2,368	
April	2,391				2,391	
May	2,668				2,668	
June	3,685				3,685	
July	3,825				3,825	
August	3,875				3,875	
September	4,405				4,405	
October	3,815				3,815	
November	3,793				3,793	
December	3,449				3,449	
Total	41,501				41,501	

WASTEWATER TREATMENT PLANT DATA

Company: SSU / Martin / Lillian Heights

FPSC

Docket No. 920189-WS
 Test Year Ended: 12/31/91

Schedule F-4
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide the following information for each wastewater treatment plant. All flow data must be obtained from the monthly operating reports (MORs) sent to the Department of Environmental Regulation.

	MONTH	GPD
1. Plant Capacity		150,000
The hydraulic rated capacity. If different from that shown on the DER operating or construction permit, provide an explanation.		
2. Average Daily Flow Max Month	September	146,833
An average of the daily flows during the peak usage month during the test year. Explain, on a separate page, if this peak-month was influenced by abnormal infiltration due to rainfall periods. (There is no record that this peak month was influenced by any abnormal infiltration)		

USED AND USEFUL CALCULATIONS

Wastewater Treatment Plant

Company: SSU / Martin / Lailani Heights

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-6
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide all calculations, analyses and governmental requirements used to determine the used and useful percentages for the wastewater treatment plant(s).

Recap Schedules: A-10,B-20

Line No.	Description	Lailani Heights	
		(a)	
1	FDER Operating Permit No.	Do43-194646	
2	Permit Expiration Date	10/14/96	
3	Permitted Plant Capacity (GPD)	150,000	
4	Permitted Mode of Operation	E/A	
5	Method(s) of Effluent Disposal	Ponds	
6	Permitted Effluent Disposal System Capacity (MGD)	150,000	
7			
8	Other Limiting Plant Components:		
9	FDER Notice to Correct	No	
10	Consent Order No.	N/A	
11	Month Max Flow Occurred	September	
12	Peak Flow For Year	146,833	
13	Beginning No. of ERC's	393	
14	Ending No. of ERC's	392	
15	Average No. of ERC's	393	
16	Usage Per ERC (GPD)	374	
17	Total Lots/ERC's Served By Mains Percentage (Accounts 382.4 and part of 353.4)	413	
	<u>Used and Useful w/o Margin Reserve:</u>		
18	Plant Used and Useful Percentage (Accounts 354,364,380,381,389.3 and 389.4)	98%	
19	Effluent Disposal Used and Useful Percentage (Accounts 382.4 and part of 353.4)	98%	
20	Collection System Used and Useful (Accounts 353.2 , 354.2 , 360 , 361 , 363 , 365.2 , 366.2 , 370.3 and 389.2)	100%	[1]
21	Margin Reserve Flow From Schedule F-8 Associated w/ 1.5 Years Growth:	2,824	
22	Margin Reserve Growth From Schedule F-8 Associated w/ 1.5 Years Growth:	8	
	<u>Used & Useful With Margin Reserve:</u>		
23	Plant Used and Useful Percentage (Accounts 354,364,380,381,389.3 and 389.4)	100%	
24	Effluent Disposal Used and Useful Percentage (Accounts 382.4 and part of 353.4)	100%	
25	Collection System Used and Useful (Accounts 353.2 , 354.2 , 360 , 361 , 363 , 365.2 , 366.2 , 370.3 and 389.2)	100%	[1]

[1] 100% used and useful based on customer density, pipe size and layout.

USED AND USEFUL CALCULATIONS

Water Distribution and Wastewater Collection Systems

Company: SSU / Martin / Lollani Heights

FPSC

Docket No. 920199-WS
Test Year Ended: 12/31/91

Schedule F-7
Page 1 of 1
Preparer: G. Morse

Explanation: Provide all calculations, analyses and governmental requirements used to determine the used and useful percentages for the water distribution and wastewater collection systems. The capacity should be in terms of ability to serve a designated number of connections. It should then be related to actual connected density during the test year. If the distribution and collection systems are entirely contributed or built-out, this schedule is not required.

Recap Schedules: A-9,A-10,B-19,B-20
(See Schedules F-5 and F-6)

MARGIN RESERVE CALCULATIONS - SEWER

Company: SSU / Martin / Lailani Heights

FPSC

Docket No. 920199-WS
Test Year Ended: 12/31/91

Schedule F-8
Page 1 of 1
Preparer: G. Morse

Explanation: If a margin reserve is requested, provide all calculations and analysis used to determine the amount of margin reserve for each portion of used and useful plant.

Recap Schedules: F-5,F-6,F-7

Line No.	Description	Lailani Heights
		(a)
1	Annual Growth From Schedule F-10	1.3%
2	Number Of ERC's Associated With 1.5 Years Growth	8
3	Average Number Of Test Year ERC's	393
4	Projected Number Of ERC's	400
5	Test Year Usage Per ERC For Max Mo.	374
6	ADF 1.5 Years Into Future	149,657

EQUIVALENT RESIDENTIAL CONNECTIONS - WASTEWATER

Company: SSU / Martin / Leland Heights

FPSC

Docket No. 920189-WS
 Test Year Ended: 12/31/91

Schedule F-10
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide the following information in order to calculate the average growth in ERCs for the last five years, including the test year. If the utility does not have single-family residential (SFR) customers, the largest customer class should be used as a substitute.

Line No.	(1) Year	(3) ERCs		(4) Average	(5) Gallons Treated	(6) Gallons/ ERC (5)/(4)	(7) Total Gallons Treated	(8) Total ERCs (7)/(6)	(9) Annual % Incr. in ERCs
		(2) Beginning	Ending						
1	1987	366.0	380.0	373.0	36,294,000	97,303	36,294,000	373.0	ERR
2	1988	380.0	392.0	386.0	36,450,000	94,430	36,450,000	386.0	3.5%
3	1989	392.0	392.0	392.0	45,139,000	115,151	45,139,000	392.0	1.6%
4	1990	392.0	393.0	392.5	53,435,000	136,140	53,435,000	392.5	0.1%
5	1991	393.0	392.0	392.5	41,501,000	105,735	41,501,000	392.5	0.0%
Average Growth Through 5-Year Period (Col. 8)									1.3%

**Leisure Lakes - 2401
(Covered Bridge)**

Highlands County (SSU)

Sewer

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GALLONS OF WASTEWATER TREATED

In Thousands of Gallons

Company: SSU / Highlands / Covered Bridge(Laurens Lk)

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-2
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide a schedule of gallons of wastewater treated by individual plant for each month of the test year. Flow data should match the the monthly operating reports sent to DER.

Month/ Year	(1) Individual Plant Flows			(4) Total Plant Flows	(5) Total Purch. Sewage Treatment
	Covered Bridge	(2) (Name)	(3) (Name)		
January	963			963	
February	903			903	
March	937			937	
April	630			630	
May	532			532	
June	468			468	
July	558			558	
August	558			558	
September	388			388	
October	473			473	
November	525			525	
December	643			643	
Total	7,578			7,578	

WASTEWATER TREATMENT PLANT DATA

Company: SSU / Highlands / Covered Bridge(Laisure Lk)

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-4
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide the following information for each wastewater treatment plant. All flow data must be obtained from the monthly operating reports (MORs) sent to the Department of Environmental Regulation.

	MONTH	GPD
1. Plant Capacity The hydraulic rated capacity. If different from that shown on the DER operating or construction permit, provide an explanation.		50,000
2. Average Daily Flow Max Month An average of the daily flows during the peak usage month during the test year. Explain, on a separate page, if this peak-month was influenced by abnormal infiltration due to rainfall periods. (There is no record that this peak month was influenced by any abnormal infiltration)	January	31,065

USED AND USEFUL CALCULATIONS

Wastewater Treatment Plant

Company: SSU / Highlands / Covered Bridge (Leisure Lk)

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-6
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide all calculations, analyses and governmental requirements used to determine the used and useful percentages for the wastewater treatment plant(s).

Recap Schedules: A-10, B-20

Line No.	Description	Covered Bridge
		(a)
1	FDER Operating Permit No.	DO28-149257
2	Permit Expiration Date	05/19/93
3	Permitted Plant Capacity (GPD)	50,000
4	Permitted Mode of Operation	E/A
5	Method(s) of Effluent Disposal	Ponds
6	Permitted Effluent Disposal	
7	System Capacity (MGD)	50,000
8	Other Limiting Plant Components:	
9	FDER Notice to Correct	No
10	Consent Order No.	N/A
11	Month Max Flow Occurred	January
12	Peak Flow For Year	31,065
13	Beginning No. of ERC's	226
14	Ending No. of ERC's	230
15	Average No. of ERC's	228
16	Usage Per ERC (GPD)	136
17	Total Lots/ERC's Served By Mains	385
	Percentage (Accounts 382.4 and part of 353.4)	
	<u>Used and Useful w/o Margin Reserve:</u>	
18	Plant Used and Useful Percentage (Accounts 354,364,380,381,389.3 and 389.4)	62%
19	Effluent Disposal Used and Useful Percentage (Accounts 382.4 and part of 353.4)	62%
20	Collection System Used and Useful (Accounts 353.2, 354.2, 360, 361, 363, 365.2, 366.2, 370.3 and 389.2)	100% [1]
21	Margin Reserve Flow From Schedule F-8 Associated w/ 1.5 Years Growth:	1,760
22	Margin Reserve Growth From Schedule F-8 Associated w/ 1.5 Years Growth:	13
	<u>Used & Useful With Margin Reserve:</u>	
23	Plant Used and Useful Percentage (Accounts 354,364,380,381,389.3 and 389.4)	66%
24	Effluent Disposal Used and Useful Percentage (Accounts 382.4 and part of 353.4)	66%
25	Collection System Used and Useful (Accounts 353.2, 354.2, 360, 361, 363, 365.2, 366.2, 370.3 and 389.2)	100% [1]

[1] 100% used and useful based on customer density.

USED AND USEFUL CALCULATIONS

Water Distribution and Wastewater Collection Systems

Company: SSU / Highlands / Covered Bridge(Leisure Lk)

FPSC

Docket No. 920199-WS

Test Year Ended: 12/31/91

Schedule F-7

Page 1 of 1

Preparer: G. Morse

Explanation: Provide all calculations, analyses and governmental requirements used to determine the used and useful percentages for the water distribution and wastewater collection systems. The capacity should be in terms of ability to serve a designated number of connections. It should then be related to actual connected density during the test year. If the distribution and collection systems are entirely contributed or built-out, this schedule is not required.

Recap Schedules: A-9,A-10,B-19,B-20
(See Schedules F-5 and F-6)

MARGIN RESERVE CALCULATIONS - SEWER

Company: SSU / Highlands / Covered Bridge(Lesure Lk)

FPSC

Docket No. 920199-WS
Test Year Ended: 12/31/91

Schedule F-8
Page 1 of 1
Preparer: G. Morse

Explanation: If a margin reserve is requested, provide all calculations and analyses used to determine the amount of margin reserve for each portion of used and useful plant.

Recap Schedules: F-5,F-6,F-7

Line No.	Description	Covered Bridge
		(a)
1	Annual Growth From Schedule F-10	3.8%
2	Number Of ERC's Associated With 1.5 Years Growth	13
3	Average Number Of Test Year ERC's	228
4	Projected Number Of ERC's	241
5	Test Year Usage Per ERC For Max Mo.	136
6	ADF 1.5 Years Into Future	32,825

EQUIVALENT RESIDENTIAL CONNECTIONS - WASTEWATER

Company: SSU / Highlands / Covered Bridge(Leisure Lk)

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-10
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide the following information in order to calculate the average growth in ERCs for the last five years, including the test year. If the utility does not have single-family residential (SFR) customers, the largest customer class should be used as a substitute.

Line No.	(1)	(3) ERCs		(4)	(5)	(6)	(7)	(8)	(9)
	Year	Beginning	Ending	Average	Gallons Treated	Gallons/ ERC (5)/(4)	Total Gallons Treated	Total ERCs (7)/(6)	Annual % Incr. in ERCs
1	1987								
2	1988 [1]	197.0	211.0	204.0	10,193,000	49,966	10,193,000	204.0	
3	1989	211.0	219.0	215.0	7,363,000	34,247	7,363,000	215.0	5.4%
4	1990	219.0	226.0	222.5	5,077,000	22,818	5,077,000	222.5	3.5%
5	1991	226.0	230.0	228.0	7,578,000	33,237	7,578,000	228.0	2.5%
Average Growth Through 3-Year Period (Col. 8)									3.8%

[1] Acquired January 1989. No Prior Data Available

Marco Shores Utilities - 26002

Collier County (DUI)

Sewer

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GALLONS OF WASTEWATER TREATED

In Thousands of Gallons

Company: DUI-SSU / Collier / Marco Shores

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-2
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide a schedule of gallons of wastewater treated by individual plant for each month of the test year. Flow data should match the the monthly operating reports sent to DER.

Month/ Year	(1)	(2)		(3)	(4)	(5)
	Marco Shores	Individual Plant Flows (Name)		(Name)	Total Plant Flows	Total Purch. Sewage Treatment
January	1,375				1,375	
February	1,592				1,592	
March	1,566				1,566	
April	907				907	
May	711				711	
June	638				638	
July	651				651	
August	558				558	
September	630				630	
October	589				589	
November	720				720	
December	775				775	
Total	10,712				10,712	

WASTEWATER TREATMENT PLANT DATA

Company: DUI-SSU / Collier / Marco Shores

FPSC

Docket No. 920199-WS
Test Year Ended: 12/31/91

Schedule F-4
Page 1 of 1
Preparer: G. Morse

Explanation: Provide the following information for each wastewater treatment plant. All flow data must be obtained from the monthly operating reports (MORs) sent to the Department of Environmental Regulation.

	<u>MONTH</u>	<u>GPD</u>
1. Plant Capacity		90,000
The hydraulic rated capacity. If different from that shown on the DER operating or construction permit, provide an explanation.		
2. Average Daily Flow Max Month	February	56,857
An average of the daily flows during the peak usage month during the test year. Explain, on a separate page, if this peak-month was influenced by abnormal infiltration due to rainfall periods. (There is no record that this peak month was influenced by any abnormal infiltration)		

USED AND USEFUL CALCULATIONS

Wastewater Treatment Plant

Company: DUI-SSU / Collier / Marco Shores

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-6
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide all calculations, analyses and governmental requirements used to determine the used and useful percentages for the wastewater treatment plant(s).

Recap Schedules: A-10,B-20

Line No.	Description	Marco Shores	
		(a)	
1	FDER Operating Permit No.	DO11-157556	
2	Permit Expiration Date	12/30/93	
3	Permitted Plant Capacity (GPD)	90,000	
4	Permitted Mode of Operation	C/S	
5	Method(s) of Effluent Disposal	Ponds	
6	Permitted Effluent Disposal System Capacity (MGD)	90,000	
7	Other Limiting Plant Components:		
8			
9	FDER Notice to Correct	No	
10	Consent Order No.	N/A	
11	Month Max Flow Occurred	February	
12	Peak Flow For Year	56,857	
13	Beginning No. of ERC's	293	
14	Ending No. of ERC's	290	
15	Average No. of ERC's	292	
16	Usage Per ERC (GPD)	195	
17	Total Lots/ERC's Served By Mains Percentage (Accounts 382.4 and part of 353.4)	600	
	<u>Used and Useful w/o Margin Reserve:</u>		
18	Plant Used and Useful Percentage (Accounts 354,364,380,381,389.3 and 389.4)	63%	
19	Effluent Disposal Used and Useful Percentage (Accounts 382.4 and part of 353.4)	63%	
20	Collection System Used and Useful (Accounts 353.2, 354.2, 360, 361, 363, 365.2, 366.2, 370.3 and 389.2)	100%	[1]
21	Margin Reserve Flow From Schedule F-8 Associated w/ 1.5 Years Growth:	4,294	
22	Margin Reserve Growth From Schedule F-8 Associated w/ 1.5 Years Growth:	22	
	<u>Used & Useful With Margin Reserve:</u>		
23	Plant Used and Useful Percentage (Accounts 354,364,380,381,389.3 and 389.4)	68%	
24	Effluent Disposal Used and Useful Percentage (Accounts 382.4 and part of 353.4)	68%	
25	Collection System Used and Useful (Accounts 353.2, 354.2, 360, 361, 363, 365.2, 366.2, 370.3 and 389.2)	100%	[1]

[1] 100% used and useful based on customer density and system layout.

USED AND USEFUL CALCULATIONS
Water Distribution and Wastewater Collection Systems

Company: DUI-SSU / Collier / Marco Shores

FPSC

Docket No. 920199-WS
Test Year Ended: 12/31/91

Schedule F-7
Page 1 of 1
Preparer: G. Morse

Explanation: Provide all calculations, analyses and governmental requirements used to determine the used and useful percentages for the water distribution and wastewater collection systems. The capacity should be in terms of ability to serve a designated number of connections. It should then be related to actual connected density during the test year. If the distribution and collection systems are entirely contributed or built-out, this schedule is not required.

Recap Schedules: A-9,A-10,B-19,B-20
(See Schedules F-5 and F-6)

MARGIN RESERVE CALCULATIONS - SEWER

Company: DUI-SSU / Collier / Marco Shores

FPSC

Docket No. 920199-WS
Test Year Ended: 12/31/91

Schedule F-8
Page 1 of 1
Preparer: G. Morse

Explanation: If a margin reserve is requested, provide all calculations and analyses used to determine the amount of margin reserve for each portion of used and useful plant.

Recap Schedules: F-5,F-6,F-7

Line No.	Description	Marco Shores
		(a)
1	Annual Growth From Schedule F-10	5.0%
2	Number Of ERC's Associated With 1.5 Years Growth	22
3	Average Number Of Test Year ERC's	292
4	Projected Number Of ERC's	314
5	Test Year Usage Per ERC For Max Mo.	195
6	ADF 1.5 Years Into Future	61,151

EQUIVALENT RESIDENTIAL CONNECTIONS - WASTEWATER

Company: **DUI-SSU / Collier / Marco Shores**

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-10
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide the following information in order to calculate the average growth in ERCs for the last five years, including the test year. If the utility does not have single-family residential (SFR) customers, the largest customer class should be used as a substitute.

Line No.	(1) Year	(2) - (4) ERCs			(5) Gallons Treated	(6) Gallons/ERC (5)/(4)	(7) Total Gallons Treated	(8) Total ERCs (7)/(6)	(9) Annual % Incr. in ERCs
		Beginning	Ending	Average					
1	1987	208.0	271.0	239.5	6,881,000	28,731	6,881,000	239.5	ERR
2	1988	271.0	265.0	268.0	7,179,000	26,787	7,179,000	268.0	11.9%
3	1989	265.0	259.0	262.0	8,858,000	33,809	8,858,000	262.0	-2.2%
4	1990	259.0	293.0	276.0	11,575,000	41,938	11,575,000	276.0	5.3%
5	1991	293.0	290.0	291.5	10,712,000	36,748	10,712,000	291.5	5.6%
Average Growth Through 5-Year Period (Col. 8)									5.0%

Marion Oaks Utilities - 11001

Marion County (UFU)

Sewer

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GALLONS OF WASTEWATER TREATED

In Thousands of Gallons

Company: SSU / Marion / Marion Oaks

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-2
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide a schedule of gallons of wastewater treated by individual plant for each month of the test year. Flow data should match the the monthly operating reports sent to DER.

Month/ Year	(1)	(2)		(3)	(4)	(5)
	Marion Oaks	Individual Plant Flows (Name)		(Name)	Total Plant Flows	Total Purch. Sewage Treatment
January	3,815				3,815	
February	3,847				3,847	
March	4,395				4,395	
April	4,136				4,136	
May	3,295				3,295	
June	3,099				3,099	
July	3,766				3,766	
August	3,444				3,444	
September	3,339				3,339	
October	4,524				4,524	
November	4,775				4,775	
December	4,850				4,850	
Total	47,285				47,285	

WASTEWATER TREATMENT PLANT DATA

Company: SSU / Marion / Marion Oaks

FPSC

Docket No. 920199-WS
Test Year Ended: 12/31/91

Schedule F-4
Page 1 of 1
Preparer: G. Morse

Explanation: Provide the following information for each wastewater treatment plant. All flow data must be obtained from the monthly operating reports (MORs) sent to the Department of Environmental Regulation.

	MONTH	GPD
1. Plant Capacity		200,000
The hydraulic rated capacity. If different from that shown on the DER operating or construction permit, provide an explanation.		
2. Average Daily Flow Max Month	December	156,452
An average of the daily flows during the peak usage month during the test year. Explain, on a separate page, if this peak-month was influenced by abnormal infiltration due to rainfall periods. (There is no record that this peak month was influenced by any abnormal infiltration)		

USED AND USEFUL CALCULATIONS

Wastewater Treatment Plant

Company: SSU / Marlon / Marion Oaks

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-6
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide all calculations, analyses and governmental requirements used to determine the used and useful percentages for the wastewater treatment plant(s).

Recap Schedules: A-10, B-20

Line No.	Description	Marion Oaks
		(a)
1	FDER Operating Permit No.	DO42-178431
2	Permit Expiration Date	05/23/95
3	Permitted Plant Capacity (GPD)	200,000
4	Permitted Mode of Operation	E/A
5	Method(s) of Effluent Disposal	Fonds
6	Permitted Effluent Disposal System Capacity (MGD)	200,000
7	Other Limiting Plant Components:	
9	FDER Notice to Correct	No
10	Consent Order No.	N/A
11	Month Max Flow Occurred	December
12	Peak Flow For Year	156,452
13	Beginning No. of ERC's	1,332
14	Ending No. of ERC's	1,343
15	Average No. of ERC's	1,337
16	Usage Per ERC (GPD)	117
17	Total Lots/ERC's Served By Mains Percentage (Accounts 382.4 and part of 353.4)	1,610
	<u>Used and Useful w/o Margin Reserve:</u>	
18	Plant Used and Useful Percentage (Accounts 354,364,380,381,389.3 and 389.4)	78%
19	Effluent Disposal Used and Useful Percentage (Accounts 382.4 and part of 353.4)	78%
20	Collection System Used and Useful (Accounts 353.2, 354.2, 360, 361, 363, 365.2, 366.2, 370.3 and 389.2)	83%
21	Margin Reserve Flow From Schedule F-8 Associated w/ 1.5 Years Growth:	5,041
22	Margin Reserve Growth From Schedule F-8 Associated w/ 1.5 Years Growth:	43
	<u>Used & Useful With Margin Reserve:</u>	
23	Plant Used and Useful Percentage (Accounts 354,364,380,381,389.3 and 389.4)	81%
24	Effluent Disposal Used and Useful Percentage (Accounts 382.4 and part of 353.4)	81%
25	Collection System Used and Useful (Accounts 353.2, 354.2, 360, 361, 363, 365.2, 366.2, 370.3 and 389.2)	85%

USED AND USEFUL CALCULATIONS

Water Distribution and Wastewater Collection Systems

Company: SSU / Marion / Marion Oaks

FPSC

Docket No. 920199-WS
Test Year Ended: 12/31/91

Schedule F-7
Page 1 of 1
Preparer: G. Morse

Explanation: Provide all calculations, analyses and governmental requirements used to determine the used and useful percentages for the water distribution and wastewater collection systems. The capacity should be in terms of ability to serve a designated number of connections. It should then be related to actual connected density during the test year. If the distribution and collection systems are entirely contributed or built-out, this schedule is not required.

Recap Schedules: A-9,A-10,B-19,B-20
(See Schedules F-5 and F-6)

MARGIN RESERVE CALCULATIONS - SEWER

Company: SSU / Marlon / Marion Oaks

FPSC

Docket No. 920199-WS
Test Year Ended: 12/31/91

Schedule F-8
Page 1 of 1
Preparer: G. Morse

Explanation: If a margin reserve is requested, provide all calculations and analyses used to determine the amount of margin reserve for each portion of used and useful plant.

Recap Schedules: F-5,F-6,F-7

Line No.	Description	Marion Oaks
		(a)
1	Annual Growth From Schedule F-10	2.1%
2	Number Of ERC's Associated With 1.5 Years Growth	43
3	Average Number Of Test Year ERC's	1,337
4	Projected Number Of ERC's	1,380
5	Test Year Usage Per ERC For Max Mo.	117
6	ADF 1.5 Years Into Future	161,492

EQUIVALENT RESIDENTIAL CONNECTIONS - WASTEWATER

Company: SSU / Marion / Marion Oaks

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-10
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide the following information in order to calculate the average growth in ERCs for the last five years, including the test year. If the utility does not have single-family residential (SFR) customers, the largest customer class should be used as a substitute.

Line No.	(1)	(3) ERCs		(4)	(5)	(6)	(7)	(8)	(9)
	Year	Beginning	Ending	Average	Gallons Treated	Gallons/ERC (5)/(4)	Total Gallons Treated	Total ERCs (7)/(6)	Annual % Incr. in ERCs
1	1987	1,193.0	1,264.0	1,228.5	36,294,000	29,543	36,294,000	1,228.5	ERR
2	1988	1,264.0	1,311.0	1,287.5	36,450,000	28,311	36,450,000	1,287.5	4.8%
3	1989	1,311.0	1,364.0	1,337.5	45,139,000	33,749	45,139,000	1,337.5	3.9%
4	1990	1,364.0	1,332.0	1,348.0	53,435,000	39,640	53,435,000	1,348.0	0.8%
5	1991	1,332.0	1,342.5	1,337.5	47,285,000	35,353	47,285,000	1,337.5	-0.8%
Average Growth Through 5-Year Period (Col. 8)									2.1%

Meredith Manor - 330

Seminole County (SSU)

Sewer

- 1992 FPSC Filing -



GALLONS OF WASTEWATER TREATED

In Thousands of Gallons

Company: SSU / Seminole / Meridith Manor

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-2
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide a schedule of gallons of wastewater treated by individual plant for each month of the test year. Flow data should match the the monthly operating reports sent to DER.

Month/ Year	(1) Individual Plant Flows			(4) Total Plant Flows	(5) Total Purch. Sewage Treatment
	(2) (Name)	(2) (Name)	(3) (Name)		
January				0	
February	ALL WASTEWATER IS PUMPED TO THE CITY OF			0	480,880
March				0	
April	ALTAMONTE SPRINGS FOR TREATMENT			0	474,871
May				0	
June				0	442,043
July				0	
August				0	542,256
September				0	
October				0	578,224
November				0	
December				0	473,920
Total	0			0	2,992,194

WASTEWATER TREATMENT PLANT DATA

Company: SSU / Seminole / Meridith Manor

FPSC

Docket No. 920199-WS
Test Year Ended: 12/31/91

Schedule F-4
Page 1 of 1
Preparer: G. Morse

Explanation: Provide the following information for each wastewater treatment plant. All flow data must be obtained from the monthly operating reports (MORs) sent to the Department of Environmental Regulation.

	MONTH	GPD
1. Plant Capacity NO PLANT ALL SEWERAGE IS TREATED BY THE CITY OF ALTAMONTE SPRINGS		
The hydraulic rated capacity. If different from that shown on the DER operating or construction permit, provide an explanation.		
2. Average Daily Flow Max Month		
An average of the daily flows during the peak usage month during the test year. Explain, on a separate page, if this peak-month was influenced by abnormal infiltration due to rainfall periods.		
(There is no record that this peak month was influenced by any abnormal infiltration)		

USED AND USEFUL CALCULATIONS
Water Distribution and Wastewater Collection Systems

Company: SSU / Seminole / Meridith Manor

FPSC

Docket No. 920199-WS
Test Year Ended: 12/31/91

Schedule F-7
Page 1 of 1
Preparer: G. Morse

Explanation: Provide all calculations, analyses and governmental requirements used to determine the used and useful percentages for the water distribution and wastewater collection systems. The capacity should be in terms of ability to serve a designated number of connections. It should then be related to actual connected density during the test year. If the distribution and collection systems are entirely contributed or built-out, this schedule is not required.

Recap Schedules: A-9,A-10,B-19,B-20
(See Schedules F-5 for water. The wastewater collection system is 100% used and useful.)

EQUIVALENT RESIDENTIAL CONNECTIONS - WASTEWATER

Company: SSU / Seminole / Meridith Manor

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-10
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide the following information in order to calculate the average growth in ERCs for the last five years, including the test year. If the utility does not have single-family residential (SFR) customers, the largest customer class should be used as a substitute.

Line No.	(1) Year	(2)-(4) ERCs			(5) Gallons Treated (1)	(6) Gallons/ERC (5)/(4)	(7) Total Gallons Treated	(8) Total ERCs (7)/(6)	(9) Annual % incr. in ERCs
		(2) Beginning	(3) Ending	(4) Average					
1	1987	24.0	41.0	32.5					
2	1988	41.0	33.0	37.0	2,101,000	56,784	2,101,000	37.0	
3	1989	33.0	33.0	33.0	2,944,000	89,212	2,944,000	33.0	-10.8%
4	1990	33.0	33.0	33.0	3,013,000	91,303	3,013,000	33.0	0.0%
5	1991	33.0	33.0	33.0	2,992,194	90,673	2,992,194	33.0	0.0%
Average Growth Through 3-Year Period (Col. 8)								-3.7%	

[1] All wastewater is pumped to the City of Altamonte Springs for treatment.

Morningview - 562

Lake County (SSU)

Sewer

- 1992 FPSC Filing -

GALLONS OF WASTEWATER TREATED

In Thousands of Gallons

Company: SSU / Lake / Morningview

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-2
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide a schedule of gallons of wastewater treated by individual plant for each month of the test year. Flow data should match the the monthly operating reports sent to DER.

Month/ Year	(1) Individual Plant Flows		(3) (Name)	(4) Total Plant Flows	(5) Total Purch. Sewage Treatment
	Morningview	(Name)			
January	326			326	
February	287			287	
March	321			321	
April	296			296	
May	304			304	
June	220			220	
July	141			141	
August	303			303	
September	303			303	
October	291			291	
November	267			267	
December	479			479	
Total	3,538			3,538	

WASTEWATER TREATMENT PLANT DATA

Company: SSU / Lake / Morningview

FPSC

Docket No. 920198-WS
 Test Year Ended: 12/31/91

Schedule F-4
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide the following information for each wastewater treatment plant. All flow data must be obtained from the monthly operating reports (MORs) sent to the Department of Environmental Regulation.

	MONTH	GPD
1. Plant Capacity The hydraulic rated capacity. If different from that shown on the DER operating or construction permit, provide an explanation.		20,000
2. Average Daily Flow Max Month An average of the daily flows during the peak usage month during the test year. Explain, on a separate page, if this peak-month was influenced by abnormal infiltration due to rainfall periods. (There is no record that this peak month was influenced by any abnormal infiltration)	December	15,452

USED AND USEFUL CALCULATIONS

Wastewater Treatment Plant

Company: SSU / Lake / Morningview

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-6
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide all calculations, analyses and governmental requirements used to determine the used and useful percentages for the wastewater treatment plant(s).

Recap Schedules: A-10,B-20

Line No.	Description	Morningview
		(a)
1	FDER Operating Permit No.	DO35-179425
2	Permit Expiration Date	07/01/95
3	Permitted Plant Capacity (GPD)	20,000
4	Permitted Mode of Operation	E/A
5	Method(s) of Effluent Disposal	Ponds
6	Permitted Effluent Disposal System Capacity (MGD)	20,000
7	Other Limiting Plant Components:	
9	FDER Notice to Correct	No
10	Consent Order No.	N/A
11	Month Max Flow Occurred	December
12	Peak Flow For Year	15,452
13	Beginning No. of ERC's	47
14	Ending No. of ERC's	46
15	Average No. of ERC's	46
16	Usage Per ERC (GPD)	334
17	Total Lots/ERC's Served By Mains	48
	Percentage (Accounts 382.4 and part of 353.4)	
	<u>Used and Useful w/o Margin Reserve:</u>	
18	Plant Used and Useful Percentage (Accounts 354,364,380,381,389.3 and 389.4)	77%
19	Effluent Disposal Used and Useful Percentage (Accounts 382.4 and part of 353.4)	77%
20	Collection System Used and Useful (Accounts 353.2 , 354.2 , 360 , 361 , 363 , 365.2 , 366.2 , 370.3 and 389.2)	100% [1]
21	Margin Reserve Flow From Schedule F-8 Associated w/ 1.5 Years Growth:	No Margin Reserve Requested
22	Margin Reserve Growth From Schedule F-8 Associated w/ 1.5 Years Growth:	
	<u>Used & Useful With Margin Reserve:</u>	
23	Plant Used and Useful Percentage (Accounts 354,364,380,381,389.3 and 389.4)	
24	Effluent Disposal Used and Useful Percentage (Accounts 382.4 and part of 353.4)	
25	Collection System Used and Useful (Accounts 353.2 , 354.2 , 360 , 361 , 363 , 365.2 , 366.2 , 370.3 and 389.2)	

[1] 100% used and useful based on customer density and system layout.

USED AND USEFUL CALCULATIONS
Water Distribution and Wastewater Collection Systems

Company: SSU / Lake / Morningview

FPSC

Docket No. 920199-WS
Test Year Ended: 12/31/91

Schedule F-7
Page 1 of 1
Preparer: G. Morse

Explanation: Provide all calculations, analyses and governmental requirements used to determine the used and useful percentages for the water distribution and wastewater collection systems. The capacity should be in terms of ability to serve a designated number of connections. It should then be related to actual connected density during the test year. If the distribution and collection systems are entirely contributed or built-out, this schedule is not required.

Recap Schedules: A-9,A-10,B-19,B-20
(See Schedules F-5 and F-6)

EQUIVALENT RESIDENTIAL CONNECTIONS - WASTEWATER

Company: *SSU / Lake / Morningview*

FPSC

Docket No. 820199-WS
 Test Year Ended: 12/31/91

Schedule F-10
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide the following information in order to calculate the average growth in ERCs for the last five years, including the test year. If the utility does not have single-family residential (SFR) customers, the largest customer class should be used as a substitute.

Line No.	(1)	(3) ERCs		(4)	(5)	(6)	(7)	(8)	(9)
	Year	Beginning	Ending	Average	Gallons Treated	Gallons/ ERC (5)/(4)	Total Gallons Treated	Total ERCs (7)/(6)	Annual % Incr. in ERCs
1	1987	48.0	48.0	48.0	2,240,000	46,667	2,240,000	48.0	ERR
2	1988	48.0	49.0	48.5	3,247,000	66,948	3,247,000	48.5	1.0%
3	1989	49.0	49.0	49.0	4,025,000	82,143	4,025,000	49.0	1.0%
4	1990	48.0	47.0	48.0	3,589,000	74,771	3,589,000	48.0	-2.0%
5	1991	47.0	45.5	46.5	3,538,000	76,086	3,538,000	46.5	-3.1%
Average Growth Through 5-Year Period (Col. 8)									-1.4%

Palm Port - 440

Putnam County (SSU)

Sewer

- 1992 FPSC Filing -

GALLONS OF WASTEWATER TREATED

In Thousands of Gallons

Company: SSU / Putnam / Palm Port

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-2
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide a schedule of gallons of wastewater treated by individual plant for each month of the test year. Flow data should match the the monthly operating reports sent to DER.

Month/ Year	(1) Individual Plant Flows			(4) Total Plant Flows	(5) Total Purch. Sewage Treatment
	Palm Port	(2) (Name)	(3) (Name)		
January	409			409	
February	348			348	
March	488			488	
April	479			479	
May	406			408	
June	481			481	
July	470			470	
August	412			412	
September	394			394	
October	425			425	
November	468			468	
December	645			645	
Total	5,428			5,428	

WASTEWATER TREATMENT PLANT DATA

Company: SSU / Putnam / Palm Port

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-4
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide the following information for each wastewater treatment plant. All flow data must be obtained from the monthly operating reports (MORs) sent to the Department of Environmental Regulation.

	MONTH	GPD
1. Plant Capacity		60,000
The hydraulic rated capacity. If different from that shown on the DER operating or construction permit, provide an explanation.		
2. Average Daily Flow Max Month	December	20,816
An average of the daily flows during the peak usage month during the test year. Explain, on a separate page, if this peak-month was influenced by abnormal infiltration due to rainfall periods. (There is no record that this peak month was influenced by any abnormal infiltration)		

USED AND USEFUL CALCULATIONS

Wastewater Treatment Plant

Company: SSU / Putnam / Palm Port

FPSC

Docket No. 820199-WS
 Test Year Ended: 12/31/91

Schedule F-6
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide all calculations, analyses and governmental requirements used to determine the used and useful percentages for the wastewater treatment plant(s).

Recap Schedules: A-10, B-20

Line No.	Description	Palm Port
		(a)
1	FDER Operating Permit No.	DO54-146222
2	Permit Expiration Date	06/01/93
3	Permitted Plant Capacity (GPD)	50,000
4	Permitted Mode of Operation	E/A
5	Method(s) of Effluent Disposal	Ponds
6	Permitted Effluent Disposal System Capacity (MGD)	50,000
8	Other Limiting Plant Components:	
9	FDER Notice to Correct	No
10	Consent Order No.	N/A
11	Month Max Flow Occurred	December
12	Peak Flow For Year	20,816
13	Beginning No. of ERC's	85
14	Ending No. of ERC's	90
15	Average No. of ERC's	88
16	Usage Per ERC (GPD)	238
17	Total Lots/ERC's Served By Mains Percentage (Accounts 382.4 and part of 353.4)	137
	<u>Used and Useful w/o Margin Reserve:</u>	
18	Plant Used and Useful Percentage (Accounts 354,364,380,381,389.3 and 389.4)	42%
19	Effluent Disposal Used and Useful Percentage (Accounts 382.4 and part of 353.4)	42%
20	Collection System Used and Useful (Accounts 353.2, 354.2, 360, 361, 363, 365.2, 366.2, 370.3 and 389.2)	64%
21	Margin Reserve Flow From Schedule F-8 Associated w/ 1.5 Years Growth:	1,733
22	Margin Reserve Growth From Schedule F-8 Associated w/ 1.5 Years Growth:	7
	<u>Used & Useful With Margin Reserve:</u>	
23	Plant Used and Useful Percentage (Accounts 354,364,380,381,389.3 and 389.4)	45%
24	Effluent Disposal Used and Useful Percentage (Accounts 382.4 and part of 353.4)	45%
25	Collection System Used and Useful (Accounts 353.2, 354.2, 360, 361, 363, 365.2, 366.2, 370.3 and 389.2)	67%

USED AND USEFUL CALCULATIONS

Water Distribution and Wastewater Collection Systems

Company: SSU / Putnam / Palm Port

FPSC

Docket No. 920199-WS

Test Year Ended: 12/31/91

Schedule F-7

Page 1 of 1

Preparer: G. Morse

Explanation: Provide all calculations, analyses and governmental requirements used to determine the used and useful percentages for the water distribution and wastewater collection systems. The capacity should be in terms of ability to serve a designated number of connections. It should then be related to actual connected density during the test year. If the distribution and collection systems are entirely contributed or built-out, this schedule is not required.

Recap Schedules: A-9,A-10,B-19,B-20
(See Schedules F-5 and F-6)

MARGIN RESERVE CALCULATIONS - SEWER

Company: SSU / Putnam / Palm Port

FPSC

Docket No. 920199-WS
Test Year Ended: 12/31/91

Schedule F-8
Page 1 of 1
Preparer: G. Morse

Explanation: If a margin reserve is requested, provide all calculations and analyses used to determine the amount of margin reserve for each portion of used and useful plant.

Recap Schedules: F-5,F-6,F-7

Line No.	Description	Palm Port
		(a)
1	Annual Growth From Schedule F-10	5.5%
2	Number Of ERC's Associated With 1.5 Years Growth	7
3	Average Number Of Test Year ERC's	88
4	Projected Number Of ERC's	95
5	Test Year Usage Per ERC For Max Mo.	238
6	ADF 1.5 Years Into Future	22,549

EQUIVALENT RESIDENTIAL CONNECTIONS - WASTEWATER

Company: SSU / Putnam / Palm Port

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-10
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide the following information in order to calculate the average growth in ERCs for the last five years, including the test year. If the utility does not have single-family residential (SFR) customers, the largest customer class should be used as a substitute.

Line No.	(1) Year	(3) ERCs			(5) Gallons Treated	(6) Gallons/ERC (5)/(4)	(7) Total Gallons Treated	(8) Total ERCs (7)/(6)	(9) Annual % Incr. in ERCs
		(2) Beginning	Ending	(4) Average					
1	1987	67.0	74.0	70.5	4,720,000	66,950	4,720,000	70.5	ERR
2	1988	74.0	79.0	76.5	6,414,000	83,843	6,414,000	76.5	8.5%
3	1989	79.0	85.0	82.0	4,325,000	52,744	4,325,000	82.0	7.2%
4	1990	85.0	85.0	85.0	4,608,000	54,212	4,608,000	85.0	3.7%
5	1991	85.0	90.0	87.5	5,427,500	62,029	5,427,500	87.5	2.9%
Average Growth Through 5-Year Period (Col. 8)									5.5%

Palm Terrace - 1429

Pasco County (SSU)

Sewer

- 1992 FPSC Filing -

GALLONS OF WASTEWATER TREATED

In Thousands of Gallons

Company: SSU / Pasco / Palm Terrace

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-2
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide a schedule of gallons of wastewater treated by individual plant for each month of the test year. Flow data should match the the monthly operating reports sent to DER.

Month/ Year	(1)	(2)		(3)	(4)	(5)
	Palm Terrace	Individual Plant Flows (Name)		(Name)	Total Plant Flows	Total Purch. Sewage Treatment
January	3,875				3,875	
February	3,252				3,252	
March	3,450				3,450	
April	3,219				3,219	
May	3,292				3,292	
June	3,340				3,340	
July	2,968				2,968	
August	2,962				2,962	
September	2,730				2,730	
October	3,144				3,144	
November	3,288				3,288	
December	2,956				2,956	
Total	38,476				38,476	

WASTEWATER TREATMENT PLANT DATA

Company: SSU / Pasco / Palm Terrace

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-4
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide the following information for each wastewater treatment plant. All flow data must be obtained from the monthly operating reports (MORs) sent to the Department of Environmental Regulation.

	MONTH	GPD
1. Plant Capacity		200,000
The hydraulic rated capacity. If different from that shown on the DER operating or construction permit, provide an explanation.		
2. Average Daily Flow Max Month	January	125,000
An average of the daily flows during the peak usage month during the test year. Explain, on a separate page, if this peak-month was influenced by abnormal infiltration due to rainfall periods. (There is no record that this peak month was influenced by any abnormal infiltration)		

USED AND USEFUL CALCULATIONS

Wastewater Treatment Plant

Company: SSU / Pasco / Palm Terrace

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-6
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide all calculations, analyses and governmental requirements used to determine the used and useful percentages for the wastewater treatment plant(s).

Recap Schedules: A-10,B-20

Line No.	Description	Palm Terrace
		(a)
1	FDER Operating Permit No.	DO51-150578
2	Permit Expiration Date	08/18/93
3	Permitted Plant Capacity (GPD)	200,000
4	Permitted Mode of Operation	E/A
5	Method(s) of Effluent Disposal	Spray Irig.
6	Permitted Effluent Disposal System Capacity (MGD)	130,000
8	Other Limiting Plant Components:	
9	FDER Notice to Correct	No
10	Consent Order No.	N/A
11	Month Max Flow Occurred	January
12	Peak Flow For Year	125,000
13	Beginning No. of ERC's	1,018
14	Ending No. of ERC's	1,009
15	Average No. of ERC's	1,014
16	Usage Per ERC (GPD)	123
17	Total Lots/ERC's Served By Mains Percentage (Accounts 382.4 and part of 353.4)	1,189
	<u>Used and Useful w/o Margin Reserve:</u>	
18	Plant Used and Useful Percentage (Accounts 354,364,380,381,389.3 and 389.4)	63%
19	Effluent Disposal Used and Useful Percentage (Accounts 382.4 and part of 353.4)	96%
20	Collection System Used and Useful (Accounts 353.2, 354.2, 360, 361, 363, 365.2, 366.2, 370.3 and 389.2)	85%
21	Margin Reserve Flow From Schedule F-8 Associated w/ 1.5 Years Growth:	No Margin Reserve Requested
22	Margin Reserve Growth From Schedule F-8 Associated w/ 1.5 Years Growth:	
	<u>Used & Useful With Margin Reserve:</u>	
23	Plant Used and Useful Percentage (Accounts 354,364,380,381,389.3 and 389.4)	
24	Effluent Disposal Used and Useful Percentage (Accounts 382.4 and part of 353.4)	
25	Collection System Used and Useful (Accounts 353.2, 354.2, 360, 361, 363, 365.2, 366.2, 370.3 and 389.2)	

USED AND USEFUL CALCULATIONS

Water Distribution and Wastewater Collection Systems

Company: SSU / Pasco / Palm Terrace

FPSC

Docket No. 920199-WS

Test Year Ended: 12/31/91

Schedule F-7

Page 1 of 1

Preparer: G. Morse

Explanation: Provide all calculations, analyses and governmental requirements used to determine the used and useful percentages for the water distribution and wastewater collection systems. The capacity should be in terms of ability to serve a designated number of connections. It should then be related to actual connected density during the test year. If the distribution and collection systems are entirely contributed or built-out, this schedule is not required.

Recap Schedules: A-9,A-10,B-19,B-20
(See Schedules F-5 and F-6)

EQUIVALENT RESIDENTIAL CONNECTIONS - WASTEWATER

Company: SSU / Pasco / Palm Terrace

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-10
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide the following information in order to calculate the average growth in ERCs for the last five years, including the test year. If the utility does not have single-family residential (SFR) customers, the largest customer class should be used as a substitute.

Line No.	(1)	(2)	(3)		(4)	(5)	(6)	(7)	(8)	(9)
	Year	Beginning	ERCs		Average	Gallons Treated	Gallons/ERC (5)/(4)	Total Gallons Treated	Total ERCs (7)/(6)	Annual % Incr. in ERCs
1	1987 [1]	1,021.0	1,021.0		1,021.0	12,941,686	12,676	12,941,686	1,021.0	ERR
2	1988	1,021.0	1,026.0		1,023.5	25,947,000	25,351	25,947,000	1,023.5	0.2%
3	1989	1,026.0	1,020.0		1,023.0	36,129,000	35,317	36,129,000	1,023.0	-0.0%
4	1990	1,020.0	1,018.0		1,019.0	38,170,000	37,458	38,170,000	1,019.0	-0.4%
5	1991	1,018.0	1,009.0		1,013.5	38,476,000	37,963	38,476,000	1,013.5	-0.5%
Average Growth Through 5-Year Period (Col. 8)										-0.2%

[1] Acquired June 1987.

Park Manor - 444

Putnam County (SSU)

Sewer

- 1992 FPSC Filing -

GALLONS OF WASTEWATER TREATED

In Thousands of Gallons

Company: SSU / Putnam / Park Manor

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-2
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide a schedule of gallons of wastewater treated by individual plant for each month of the test year. Flow data should match the the monthly operating reports sent to DER.

Month/ Year	(1)	(2)		(3)	(4)	(5)
	Park Manor	Individual Plant Flows		(Name)	Total Plant Flows	Total Purch. Sewage Treatment
January	62				62	
February	54				54	
March	67				67	
April	72				72	
May	82				82	
June	80				80	
July	75				75	
August	70				70	
September	66				66	
October	101				101	
November	113				113	
December	120				120	
Total	960				960	

WASTEWATER TREATMENT PLANT DATA

Company: SSU / Putnam / Park Manor

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-4
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide the following information for each wastewater treatment plant. All flow data must be obtained from the monthly operating reports (MORs) sent to the Department of Environmental Regulation.

	MONTH	GPD
1. Plant Capacity		15,000
The hydraulic rated capacity. If different from that shown on the DER operating or construction permit, provide an explanation.		
2. Average Daily Flow Max Month	December	3,871
An average of the daily flows during the peak usage month during the test year. Explain, on a separate page, if this peak-month was influenced by abnormal infiltration due to rainfall periods. (There is no record that this peak month was influenced by any abnormal infiltration)		

USED AND USEFUL CALCULATIONS

Wastewater Treatment Plant

Company: SSU / Putnam / Park Manor

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-6
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide all calculations, analyses and governmental requirements used to determine the used and useful percentages for the wastewater treatment plant(s).

Recap Schedules: A-10,B-20

Line No.	Description	Park Manor
		(a)
1	FDER Operating Permit No.	DO54-146586
2	Permit Expiration Date	06/09/93
3	Permitted Plant Capacity (GPD)	15,000
4	Permitted Mode of Operation	E/A
5	Method(s) of Effluent Disposal	Ponds
6	Permitted Effluent Disposal System Capacity (MGD)	15,000
8	Other Limiting Plant Components:	
9	FDER Notice to Correct	No
10	Consent Order No.	N/A
11	Month Max Flow Occurred	December
12	Peak Flow For Year	3,871
13	Beginning No. of ERC's	26
14	Ending No. of ERC's	36
15	Average No. of ERC's	31
16	Usage Per ERC (GPD)	125
17	Total Lots/ERC's Served By Mains Percentage (Accounts 382.4 and part of 353.4)	32
	<u>Used and Useful w/o Margin Reserve:</u>	
18	Plant Used and Useful Percentage (Accounts 354,364,380,381,389.3 and 389.4)	26%
19	Effluent Disposal Used and Useful Percentage (Accounts 382.4 and part of 353.4)	26%
20	Collection System Used and Useful (Accounts 353.2 , 354.2 , 360 , 361 , 363 , 365.2 , 366.2 , 370.3 and 389.2)	97%
21	Margin Reserve Flow From Schedule F-8 Associated w/ 1.5 Years Growth:	352
22	Margin Reserve Growth From Schedule F-8 Associated w/ 1.5 Years Growth:	3
	<u>Used & Useful With Margin Reserve:</u>	
23	Plant Used and Useful Percentage (Accounts 354,364,380,381,389.3 and 389.4)	28%
24	Effluent Disposal Used and Useful Percentage (Accounts 382.4 and part of 353.4)	28%
25	Collection System Used and Useful (Accounts 353.2 , 354.2 , 360 , 361 , 363 , 365.2 , 366.2 , 370.3 and 389.2)	100%

USED AND USEFUL CALCULATIONS
Water Distribution and Wastewater Collection Systems

Company: SSU / Putnam / Park Manor

FPSC

Docket No. 920199-WS
Test Year Ended: 12/31/91

Schedule F-7
Page 1 of 1
Preparer: G. Morse

Explanation: Provide all calculations, analyses and governmental requirements used to determine the used and useful percentages for the water distribution and wastewater collection systems. The capacity should be in terms of ability to serve a designated number of connections. It should then be related to actual connected density during the test year. If the distribution and collection systems are entirely contributed or built-out, this schedule is not required.

Recap Schedules: A-9,A-10,B-19,B-20
(See Schedules F-5 and F-6)

MARGIN RESERVE CALCULATIONS - SEWER

Company: SSU / Putnam / Park Manor

FPSC

Docket No. 920199-WS
Test Year Ended: 12/31/91

Schedule F-8
Page 1 of 3
Preparer: G. Morse

Explanation: If a margin reserve is requested, provide all calculations and analyses used to determine the amount of margin reserve for each portion of used and useful plant.

Recap Schedules: F-5,F-6,F-7

Line No.	Description	Park Manor
		(a)
1	Annual Growth From Schedule F-10	6.1%
2	Number Of ERC's Associated With 1.5 Years Growth	3
3	Average Number Of Test Year ERC's	31
4	Projected Number Of ERC's	34
5	Test Year Usage Per ERC For Max Mo.	125
6	ADF 1.5 Years Into Future	4,223

EQUIVALENT RESIDENTIAL CONNECTIONS - WASTEWATER

Company: SSU / Putnam / Park Manor

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-10
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide the following information in order to calculate the average growth in ERCs for the last five years, including the test year. If the utility does not have single-family residential (SFR) customers, the largest customer class should be used as a substitute.

Line No.	(1)	(2) ERCs		(4)	(5)	(6)	(7)	(8)	(9)
	Year	Beginning	Ending	Average	Gallons Treated	Gallons/ ERC (5)/(4)	Total Gallons Treated	Total ERCs (7)/(6)	Annual % Incr. in ERCs
1	1987	24.0	25.0	24.5	1,910,000	77,959	1,910,000	24.5	ERR
2	1988	25.0	23.0	24.0	1,176,000	49,000	1,176,000	24.0	-2.0%
3	1989	23.0	24.0	23.5	1,403,000	59,702	1,403,000	23.5	-2.1%
4	1990	24.0	26.0	25.0	850,000	34,000	850,000	25.0	6.4%
5	1991	26.0	36.0	31.0	960,115	30,971	960,115	31.0	24.0%
Average Growth Through 5-Year Period (Col. 8)									<u>6.1%</u>

Point O' Woods - 987

Citrus County (SSU)

Sewer

- 1992 FPSC Filing -

GALLONS OF WASTEWATER TREATED

In Thousands of Gallons

Company: SSU / Citrus / Point O Woods

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-2
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide a schedule of gallons of wastewater treated by individual plant for each month of the test year. Flow data should match the the monthly operating reports sent to DER.

Month/ Year	(1) Individual Plant Flows			(4) Total Plant Flows	(5) Total Purch. Sewage Treatment
	Point O Woods	(2) (Name)	(3) (Name)		
January	380			380	
February	372			372	
March	405			405	
April	390			390	
May	334			334	
June	323			323	
July	292			292	
August	372			372	
September	330			330	
October	372			372	
November	409			409	
December	129			129	
Total	4,109			4,109	

WASTEWATER TREATMENT PLANT DATA

Company: SSU / Citrus / Point O Woods

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-4
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide the following information for each wastewater treatment plant. All flow data must be obtained from the monthly operating reports (MORs) sent to the Department of Environmental Regulation.

	MONTH	GPD
1. Plant Capacity		58,000
The hydraulic rated capacity. If different from that shown on the DER operating or construction permit, provide an explanation.		
2. Average Daily Flow Max Month	November	13,638
An average of the daily flows during the peak usage month during the test year. Explain, on a separate page, if this peak-month was influenced by abnormal infiltration due to rainfall periods. (There is no record that this peak month was influenced by any abnormal infiltration)		

USED AND USEFUL CALCULATIONS

Wastewater Treatment Plant

Company: SSU / Citrus / Point O Woods

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-6
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide all calculations, analyses and governmental requirements used to determine the used and useful percentages for the wastewater treatment plant(s).

Recap Schedules: A-10,B-20

Line No.	Description	Point O Woods	
		(a)	
1	FDER Operating Permit No.	DO09-159336	
2	Permit Expiration Date	05/05/94	
3	Permitted Plant Capacity (GPD)	58,000	
4	Permitted Mode of Operation	E/A	
5	Method(s) of Effluent Disposal	Ponds	
6	Permitted Effluent Disposal System Capacity (MGD)	58,000	
8	Other Limiting Plant Components:		
9	FDER Notice to Correct	No	
10	Consent Order No.	N/A	
11	Month Max Flow Occurred	November	
12	Peak Flow For Year	13,638	
13	Beginning No. of ERC's	114	
14	Ending No. of ERC's	132	
15	Average No. of ERC's	123	
16	Usage Per ERC (GPD)	111	
17	Total Lots/ERC's Served By Mains Percentage (Accounts 382.4 and part of 353.4)	125	
	Used and Useful w/o Margin Reserve:		
18	Plant Used and Useful Percentage (Accounts 354,364,380,381,389.3 and 389.4)	24%	
19	Effluent Disposal Used and Useful Percentage (Accounts 382.4 and part of 353.4)	24%	
20	Collection System Used and Useful (Accounts 353.2 , 354.2 , 360 , 361 , 363 , 365.2 , 366.2 , 370.3 and 389.2)	100%	[1]
21	Margin Reserve Flow From Schedule F-8 Associated w/ 1.5 Years Growth:	5,978	
22	Margin Reserve Growth From Schedule F-8 Associated w/ 1.5 Years Growth:	54	
	Used & Useful With Margin Reserve:		
23	Plant Used and Useful Percentage (Accounts 354,364,380,381,389.3 and 389.4)	34%	
24	Effluent Disposal Used and Useful Percentage (Accounts 382.4 and part of 353.4)	34%	
25	Collection System Used and Useful (Accounts 353.2 , 354.2 , 360 , 361 , 363 , 365.2 , 366.2 , 370.3 and 389.2)	100%	[1]

[1] 100% used and useful based on customer density and system layout.

USED AND USEFUL CALCULATIONS
Water Distribution and Wastewater Collection Systems

Company: SSU / Citrus / Point O Woods

FPSC

Docket No. 920199-WS
Test Year Ended: 12/31/91

Schedule F-7
Page 1 of 1
Preparer: G. Morse

Explanation: Provide all calculations, analyses and governmental requirements used to determine the used and useful percentages for the water distribution and wastewater collection systems. The capacity should be in terms of ability to serve a designated number of connections. It should then be related to actual connected density during the test year. If the distribution and collection systems are entirely contributed or built-out, this schedule is not required.

Recap Schedules: A-9, A-10, B-19, B-20
(See Schedules F-5 and F-6)

MARGIN RESERVE CALCULATIONS - SEWER

Company: SSU / Citrus / Point O Woods

FPSC

Docket No. 920199-WS
Test Year Ended: 12/31/91

Schedule F-8
Page 1 of 1
Preparer: G. Morse

Explanation: If a margin reserve is requested, provide all calculations and analyses used to determine the amount of margin reserve for each portion of used and useful plant.

Recap Schedules: F-5,F-6,F-7

Line No.	Description	Point O Woods
		(a)
1	Annual Growth From Schedule F-10	29.2%
2	Number Of ERC's Associated With 1.5 Years Growth	54
3	Average Number Of Test Year ERC's	123
4	Projected Number Of ERC's	177
5	Test Year Usage Per ERC For Max Mo.	111
6	ADF 1.5 Years Into Future	19,616

EQUIVALENT RESIDENTIAL CONNECTIONS - WASTEWATER

Company: SSU / Citrus / Point O Woods

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-10
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide the following information in order to calculate the average growth in ERCs for the last five years, including the test year. If the utility does not have single-family residential (SFR) customers, the largest customer class should be used as a substitute.

Line No.	(1) Year	(2)-(4) ERCs			(5) Gallons Treated	(6) Gallons/ERC (5)/(4)	(7) Total Gallons Treated	(8) Total ERCs (7)/(6)	(9) Annual % Incr. in ERCs
		Beginning	Ending	Average					
1	1987								
2	1988 [1]	52.0	62.0	57.0	1,048,000	18,386	1,048,000	57.0	
3	1989	62.0	95.0	78.5	2,538,000	32,331	2,538,000	78.5 37.7%	
4	1990	95.0	114.0	104.5	3,788,000	36,249	3,788,000	104.5 33.1%	
5	1991	114.0	132.0	123.0	4,108,535	33,403	4,108,535	123.0 17.7%	
Average Growth Through 3-Year Period (Col. 8)								29.2%	

[1] Acquired July 1988.

Salt Springs - 1115

Marion County (SSU)

Sewer

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GALLONS OF WASTEWATER TREATED

In Thousands of Gallons

Company: SSU / Marion / Salt Springs

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-2
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide a schedule of gallons of wastewater treated by individual plant for each month of the test year. Flow data should match the the monthly operating reports sent to DER.

Month/ Year	(1) Individual Plant Flows			(4) Total Plant Flows	(5) Total Purch. Sewage Treatment
	Salt Springs	(Name)	(Name)		
January	1,253			1,253	
February	1,202			1,202	
March	1,303			1,303	
April	1,180			1,180	
May	960			960	
June	935			935	
July	1,109			1,109	
August	1,076			1,076	
September	935			935	
October	923			923	
November	917			917	
December	751			751	
Total	12,544			12,544	

WASTEWATER TREATMENT PLANT DATA

Company: SSU / Marion / Salt Springs

FPSC

Docket No. 920189-WS
Test Year Ended: 12/31/91

Schedule F-4
Page 1 of 1
Preparer: G. Morse

Explanation: Provide the following information for each wastewater treatment plant. All flow data must be obtained from the monthly operating reports (MORs) sent to the Department of Environmental Regulation.

	MONTH	GPD
1. Plant Capacity		85,000
The hydraulic rated capacity. If different from that shown on the DER operating or construction permit, provide an explanation.		
2. Average Daily Flow Max Month	March	42,032
An average of the daily flows during the peak usage month during the test year. Explain, on a separate page, if this peak-month was influenced by abnormal infiltration due to rainfall periods. (There is no record that this peak month was influenced by any abnormal infiltration)		

USED AND USEFUL CALCULATIONS

Wastewater Treatment Plant

Company: SSU / Marlon / Salt Springs

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-6
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide all calculations, analyses and governmental requirements used to determine the used and useful percentages for the wastewater treatment plant(s).

Recap Schedules: A-10,B-20

Line No.	Description	Salt Springs	
		(a)	
1	FDER Operating Permit No.	DO42-154300	
2	Permit Expiration Date	10/01/93	
3	Permitted Plant Capacity (GPD)	85,000	
4	Permitted Mode of Operation	E/A	
5	Method(s) of Effluent Disposal	Ponds	
6	Permitted Effluent Disposal System Capacity (MGD)	34,000	
7	Other Limiting Plant Components:		
8			
9	FDER Notice to Correct	No	
10	Consent Order No.	N/A	
11	Month Max Flow Occured	March	
12	Peak Flow For Year	42,032	
13	Beginning No. of ERC's	185	
14	Ending No. of ERC's	150	
15	Average No. of ERC's	168	
16	Usage Per ERC (GPD)	251	
17	Total Lots/ERC's Served By Mains Percentage (Accounts 382.4 and part of 353.4)	185	
	Used and Useful w/o Margin Reserve:		
18	Plant Used and Useful Percentage (Accounts 354,364,380,381,389.3 and 389.4)	49%	
19	Effluent Disposal Used and Useful Percentage (Accounts 382.4 and part of 353.4)	100%	
20	Collection System Used and Useful (Accounts 353.2, 354.2, 360, 361, 363, 365.2, 366.2, 370.3 and 389.2)	91%	
21	Margin Reserve Flow From Schedule F-8 Associated w/ 1.5 Years Growth:	2,600	
22	Margin Reserve Growth From Schedule F-8 Associated w/ 1.5 Years Growth:	10	
	Used & Useful With Margin Reserve:		
23	Plant Used and Useful Percentage (Accounts 354,364,380,381,389.3 and 389.4)	53%	
24	Effluent Disposal Used and Useful Percentage (Accounts 382.4 and part of 353.4)	100%	
25	Collection System Used and Useful (Accounts 353.2, 354.2, 360, 361, 363, 365.2, 366.2, 370.3 and 389.2)	100%	[1]

[1] 100 % used and useful based on customer density and system layout.

USED AND USEFUL CALCULATIONS
Water Distribution and Wastewater Collection Systems

Company: SSU / Marion / Salt Springs

FPSC

Docket No. 920199-WS
Test Year Ended: 12/31/91

Schedule F-7
Page 1 of 1
Preparer: G. Morse

Explanation: Provide all calculations, analyses and governmental requirements used to determine the used and useful percentages for the water distribution and wastewater collection systems. The capacity should be in terms of ability to serve a designated number of connections. It should then be related to actual connected density during the test year. If the distribution and collection systems are entirely contributed or built-out, this schedule is not required.

Recap Schedules: A-9,A-10,B-19,B-20
(See Schedules F-5 and F-6)

MARGIN RESERVE CALCULATIONS - SEWER

Company: SSU / Marlon / Salt Springs

FPSC

Docket No. 920199-WS
Test Year Ended: 12/31/91

Schedule F-8
Page 1 of 1
Preparer: G. Morse

Explanation: If a margin reserve is requested, provide all calculations and analyses used to determine the amount of margin reserve for each portion of used and useful plant.

Recap Schedules: F-5,F-6,F-7

Line No.	Description	Salt Springs
		(a)
1	Annual Growth From Schedule F-10	4.1%
2	Number Of ERC's Associated With 1.5 Years Growth	10
3	Average Number Of Test Year ERC's	168
4	Projected Number Of ERC's	178
5	Test Year Usage Per ERC For Max Mo.	251
6	ADF 1.5 Years Into Future	44,632

EQUIVALENT RESIDENTIAL CONNECTIONS - WASTEWATER

Company: **SSU / Marion / Salt Springs**

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-10
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide the following information in order to calculate the average growth in ERCs for the last five years, including the test year. If the utility does not have single-family residential (SFR) customers, the largest customer class should be used as a substitute.

Line No.	(1)	(3) ERCs		(4)	(5)	(6)	(7)	(8)	(9)
	Year	Beginning	Ending	Average	Gallons Treated	Gallons/ ERC (5)/(4)	Total Gallons Treated	Total ERCs (7)/(6)	Annual % Incr. in ERCs
1	1987	107.0	178.0	142.5	8,140,000	57.123	8,140,000	142.5	ERR
2	1988	178.0	184.0	181.0	16,281,000	89.950	16,281,000	181.0	27.0%
3	1989	184.0	185.0	184.5	16,694,000	90.482	16,694,000	184.5	1.9%
4	1990	185.0	185.0	185.0	12,990,000	70.216	12,990,000	185.0	0.3%
5	1991	185.0	150.0	167.5	12,544,000	74.890	12,544,000	167.5	-9.5%
Average Growth Through 5-Year Period (Col. 8)									4.1%

Silver Lake Oaks - 473

Putnam County (SSU)

Sewer

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GALLONS OF WASTEWATER TREATED

In Thousands of Gallons

Company: SSU / Putnam / Silver Lake Oaks

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-2
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide a schedule of gallons of wastewater treated by individual plant for each month of the test year. Flow data should match the the monthly operating reports sent to DER.

Month/ Year	(1) Individual Plant Flows			(4) Total Plant Flows	(5) Total Purch. Sewage Treatment
	(Name)	(Name)	(Name)		
January	50			50	
February	37			37	
March	44			44	
April	34			34	
May	33			33	
June	41			41	
July	48			48	
August	43			43	
September	38			38	
October	42			42	
November	41			41	
December	38			38	
Total	490			490	

WASTEWATER TREATMENT PLANT DATA

Company: SSU / Putnam / Silver Lake Oaks

FPSC

Docket No. 920199-WS
Test Year Ended: 12/31/91

Schedule F-4
Page 1 of 1
Preparer: G. Morse

Explanation: Provide the following information for each wastewater treatment plant. All flow data must be obtained from the monthly operating reports (MORs) sent to the Department of Environmental Regulation.

	MONTH	GPD
1. Plant Capacity		12,000
The hydraulic rated capacity. If different from that shown on the DER operating or construction permit, provide an explanation.		
2. Average Daily Flow Max Month	January	1,613
An average of the daily flows during the peak usage month during the test year. Explain, on a separate page, if this peak-month was influenced by abnormal infiltration due to rainfall periods. (There is no record that this peak month was influenced by any abnormal infiltration)		

USED AND USEFUL CALCULATIONS

Wastewater Treatment Plant

Company: SSU / Putnam / Silver Lake Oaks

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-6
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide all calculations, analyses and governmental requirements used to determine the used and useful percentages for the wastewater treatment plant(s).

Recap Schedules: A-10,B-20

Line No.	Description	Silver Lake Oaks
		(a)
1	FDER Operating Permit No.	DO54-193603
2	Permit Expiration Date	08/09/96
3	Permitted Plant Capacity (GPD)	12,000
4	Permitted Mode of Operation	E/A
5	Method(s) of Effluent Disposal	Drainfield
6	Permitted Effluent Disposal System Capacity (MGD)	12,000
7	Other Limiting Plant Components:	
8		
9	FDER Notice to Correct	No
10	Consent Order No.	N/A
12	Month Max Flow Occurred	January
13	Peak Flow For Year	1,613
14	Beginning No. of ERC's	29
15	Ending No. of ERC's	25
16	Average No. of ERC's	27
17	Usage Per ERC (GPD)	60
18	Total Lots/ERC's Served By Mains	53
	Used & Useful w/o Margin Reserve:	
19	Plant Used and Useful Percentage (Accounts 354,364,380,381,389.3 and 389.4)	13%
20	Effluent Disposal Used and Useful Percentage (Accounts 382.4 and part of 353.4)	13%
21	Collection System Used and Useful (Accounts 353.2, 354.2, 360, 361, 363, 365.2, 366.2, 370.3 and 389.2)	51%
22	Margin Reserve Flow From Schedule F-8 Associated w/ 1.5 Years Growth:	None Requested
	Margin Reserve Growth From Schedule F-8 Associated w/ 1 Year Growth	
23	Used & Useful With Margin Reserve:	
24	Plant Used and Useful Percentage (Accounts 354,364,380,381,389.3 and 389.4)	
25	Effluent Disposal Used and Useful Percentage (Accounts 382.4 and part of 353.4)	
26	Collection System Used and Useful (Accounts 353.2, 354.2, 360, 361, 363, 365.2, 366.2, 370.3 and 389.2)	

USED AND USEFUL CALCULATIONS
Water Distribution and Wastewater Collection Systems

Company: SSU / Putnam / Silver Lake Oaks

FPSC

Docket No. 920199-WS
Test Year Ended: 12/31/91

Schedule F-7
Page 1 of 1
Preparer: G. Morse

Explanation: Provide all calculations, analyses and governmental requirements used to determine the used and useful percentages for the water distribution and wastewater collection systems. The capacity should be in terms of ability to serve a designated number of connections. It should then be related to actual connected density during the test year. If the distribution and collection systems are entirely contributed or built-out, this schedule is not required.

Recap Schedules: A-9,A-10,B-19,B-20
(See Schedules F-5 and F-6)

EQUIVALENT RESIDENTIAL CONNECTIONS - WASTEWATER

Company: SSU / Putnam / Silver Lake Oaks

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-10
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide the following information in order to calculate the average growth in ERCs for the last five years, including the test year. If the utility does not have single-family residential (SFR) customers, the largest customer class should be used as a substitute.

Line No.	(1)	(3) ERCs		(4)	(5)	(6)	(7)	(8)	(9)
	Year	Beginning	Ending	Average	Gallons Treated	Gallons/ERC (5)/(4)	Total Gallons Treated	Total ERCs (7)/(6)	Annual % Incr. in ERCs
1	1987								
2	1988								
3	1989 [1]	28.0	28.0	28.0	392,000	14,000	392,000	28.0	
4	1990	28.0	29.0	28.5	715,000	25,088	715,000	28.5	1.8%
5	1991	29.0	25.0	27.0	489,620	18,134	489,620	27.0	-5.3%
Average Growth Through 2-Year Period (Col. 8)									-1.8%

[1] Silver Lakes system acquired in October 1989.

South Forty - 1113

Marion County (SSU)

Sewer

- 1992 FPSC Filing -

GALLONS OF WASTEWATER TREATED

In Thousands of Gallons

Company: SSU / Marlon / South Forty

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-2
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide a schedule of gallons of wastewater treated by individual plant for each month of the test year. Flow data should match the the monthly operating reports sent to DER.

Month/ Year	(1)	(2)		(3)	(4)	(5)
	South Forty	Individual Plant Flows		(Name)	Total Plant Flows	Total Purch. Sewage Treatment
January	990				990	
February	915				915	
March	1,132				1,132	
April	917				917	
May	1,140				1,140	
June	1,041				1,041	
July	1,107				1,107	
August	1,076				1,076	
September	1,060				1,060	
October	970				970	
November	1,087				1,087	
December	958				958	
Total	12,392				12,392	

WASTEWATER TREATMENT PLANT DATA

Company: SSU / Marion / South Forty

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-4
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide the following information for each wastewater treatment plant. All flow data must be obtained from the monthly operating reports (MORs) sent to the Department of Environmental Regulation.

	MONTH	GPD
1. Plant Capacity (Limited by the effluent disposal system capacity)		50,000
The hydraulic rated capacity. If different from that shown on the DER operating or construction permit, provide an explanation.		
2. Average Daily Flow Max Month	May	36,774
An average of the daily flows during the peak usage month during the test year. Explain, on a separate page, if this peak-month was influenced by abnormal infiltration due to rainfall periods.		
(There is no record that this peak month was influenced by any abnormal infiltration)		

USED AND USEFUL CALCULATIONS

Wastewater Treatment Plant

Company: SSU / Marion / South Forty

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-6
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide all calculations, analyses and governmental requirements used to determine the used and useful percentages for the water treatment plant(s).

Recap Schedules: A-9,B-19

Line No.	Description	South Forty
		(a)
1	FDER Operating Permit No.	DO42-174196
2	Permit Expiration Date	02/01/95
3	Permitted Plant Capacity (GPD)	50,000 [1]
4	Permitted Mode of Operation	E/A
5	Method(s) of Effluent Disposal	Spray Irrig
6	Permitted Effluent Disposal System Capacity (MGD)	50,000 [1]
8	Other Limiting Plant Components:	
9	FDER Notice to Correct	No
10	Consent Order No.	N/A
11	Month Max Flow Occurred	May
12	Peak Flow For Year	36,774
13	Beginning No. of ERC's	49
14	Ending No. of ERC's	49
15	Average No. of ERC's	49
16	Usage Per ERC (GPD)	750
17	Total Lots/ERC's Served By Mains Percentage (Accounts 382.4 and part of 353.4)	52
Used and Useful w/o Margin Reserve:		
18	Plant Used and Useful Percentage (Accounts 354,364,380,381,389.3 and 389.4)	74% [1]
19	Effluent Disposal Used and Useful Percentage (Accounts 382.4 and part of 353.4)	74%
20	Collection System Used and Useful (Accounts 353.2, 354.2, 360, 361, 363, 365.2, 366.2, 370.3 and 389.2)	94%
21	Margin Reserve Flow From Schedule F-8 Associated w/ 1.5 Years Growth:	None Requested
22	Margin Reserve Growth From Schedule F-8 Associated w/ 1.5 Years Growth:	
Used & Useful With Margin Reserve:		
23	Plant Used and Useful Percentage (Accounts 354,364,380,381,389.3 and 389.4)	
24	Effluent Disposal Used and Useful Percentage (Accounts 382.4 and part of 353.4)	
25	Collection System Used and Useful (Accounts 353.2, 354.2, 360, 361, 363, 365.2, 366.2, 370.3 and 389.2)	

[1] Operating permit requires that flows be limited to 50,000 GPD which is the effluent disposal system capacity.

USED AND USEFUL CALCULATIONS

Water Distribution and Wastewater Collection Systems

Company: SSU / Marlon / South Forty

FPSC

Docket No. 920199-WS

Test Year Ended: 12/31/91

Schedule F-7

Page 1 of 1

Preparer: G. Morse

Explanation: Provide all calculations, analyses and governmental requirements used to determine the used and useful percentages for the water distribution and wastewater collection systems. The capacity should be in terms of ability to serve a designated number of connections. It should then be related to actual connected density during the test year. If the distribution and collection systems are entirely contributed or built-out, this schedule is not required.

Recap Schedules: A-9,A-10,B-19,B-20
(See Schedules F-5 and F-6)

EQUIVALENT RESIDENTIAL CONNECTIONS - WASTEWATER

Company: SSU / Marion / South Forty

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-10
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide the following information in order to calculate the average growth in ERCs for the last five years, including the test year. If the utility does not have single-family residential (SFR) customers, the largest customer class should be used as a substitute.

Line No.	(1) Year	(2)-(4) ERCs			(5) Gallons Treated	(6) Gallons/ERC (5)/(4)	(7) Total Gallons Treated	(8) Total ERCs (7)/(6)	(9) Annual % Incr. in ERCs
		Beginning	Ending	Average					
1	1987	50.0	51.0	50.5	19,010,000	376,436	19,010,000	50.5	ERR
2	1988	51.0	50.0	50.5	15,429,000	305,525	15,429,000	50.5	0.0%
3	1989	50.0	52.0	51.0	16,051,000	314,725	16,051,000	51.0	1.0%
4	1990	52.0	49.0	50.5	9,459,000	187,307	9,459,000	50.5	-1.0%
5	1991	49.0	49.0	49.0	12,391,500	252,888	12,391,500	49.0	-3.0%
Average Growth Through 5-Year Period (Col. 8)									-0.8%

Spring Hill Utilities - 27001

Hernando County (DUI)

Sewer

- 1992 FPSC Filing -

GALLONS OF WASTEWATER TREATED

In Thousands of Gallons

Company: DUI-SSU / Hernando / Spring Hill

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-2
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide a schedule of gallons of wastewater treated by individual plant for each month of the test year. Flow data should match the the monthly operating reports sent to DER.

Month/ Year	(1) Individual Plant Flows			(4) Total Plant Flows	(5) Total Purch. Sewage Treatment
	(1) Spring Hill	(2) (Name)	(3) (Name)		
January	29,146			29,146	
February	26,750			26,750	
March	27,644			27,644	
April	25,772			25,772	
May	24,831			24,831	
June	22,708			22,708	
July	23,584			23,584	
August	23,744			23,744	
September	22,830			22,830	
October	23,221			23,221	
November	24,013			24,013	
December	25,283			25,283	
Total	299,526			299,526	

WASTEWATER TREATMENT PLANT DATA

Company: DUI-SSU / Hernando / Spring Hill

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-4
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide the following information for each wastewater treatment plant. All flow data must be obtained from the monthly operating reports (MORs) sent to the Department of Environmental Regulation.

	MONTH	GPD
1. Plant Capacity		2,000,000
The hydraulic rated capacity. If different from that shown on the DER operating or construction permit, provide an explanation.		
2. Average Daily Flow Max Month	January	940,194
An average of the daily flows during the peak usage month during the test year. Explain, on a separate page, if this peak-month was influenced by abnormal infiltration due to rainfall periods. (There is no record that this peak month was influenced by any abnormal infiltration)		

USED AND USEFUL CALCULATIONS

Wastewater Treatment Plant

Company: DUI-SSU / Hernando / Spring Hill

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-6
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide all calculations, analyses and governmental requirements used to determine the used and useful percentages for the wastewater treatment plant(s).

Recap Schedules: A-10,B-20

Line No.	Description	Spring Hill
		(a)
1	FDER Operating Permit No.	DO27-137917
2	Permit Expiration Date	09/30/92
3	Permitted Plant Capacity (GPD)	2,000,000
4	Permitted Mode of Operation	C/S
5	Method(s) of Effluent Disposal	Spray Irig
6	Permitted Effluent Disposal	
7	System Capacity (MGD)	2,000,000
8	Other Limiting Plant Components:	
9	FDER Notice to Correct	No
10	Consent Order No.	N/A
11	Month Max Flow Occurred	January
12	Peak Flow For Year	940,194
13	Beginning No. of ERC's	5,425
14	Ending No. of ERC's	5,564
15	Average No. of ERC's	5,494
16	Usage Per ERC (GPD)	171
17	Total Lots/ERC's Served By Mains Percentage (Accounts 382.4 and part of 353.4)	6,000
	Used and Useful w/o Margin Reserve:	
18	Plant Used and Useful Percentage (Accounts 354,364,380,381,389.3 and 389.4)	47%
19	Effluent Disposal Used and Useful Percentage (Accounts 382.4 and part of 353.4)	47%
20	Collection System Used and Useful (Accounts 353.2 , 354.2 , 360 , 361 , 363 , 365.2 , 366.2 , 370.3 and 389.2)	92%
21	Margin Reserve Flow From Schedule F-8 Associated w/ 1.5 Years Growth:	84,674
22	Margin Reserve Growth From Schedule F-8 Associated w/ 1.5 Years Growth:	495
	Used & Useful With Margin Reserve:	
23	Plant Used and Useful Percentage (Accounts 354,364,380,381,389.3 and 389.4)	51%
24	Effluent Disposal Used and Useful Percentage (Accounts 382.4 and part of 353.4)	51%
25	Collection System Used and Useful (Accounts 353.2 , 354.2 , 360 , 361 , 363 , 365.2 , 366.2 , 370.3 and 389.2)	100% [1]

[1] 100% used and useful based on customer density.

USED AND USEFUL CALCULATIONS
Water Distribution and Wastewater Collection Systems

Company: DUI-SSU / Hernando / Spring Hill

Docket No. 920199-WS
Test Year Ended: 12/31/91

FPSC

Schedule F-7
Page 1 of 1
Preparer: G. Morse

Explanation: Provide all calculations, analyses and governmental requirements used to determine the used and useful percentages for the water distribution and wastewater collection systems. The capacity should be in terms of ability to serve a designated number of connections. It should then be related to actual connected density during the test year. If the distribution and collection systems are entirely contributed or built-out, this schedule is not required.

Recap Schedules: A-9,A-10,B-19,B-20
(See Schedules F-5 and F-6)

MARGIN RESERVE CALCULATIONS - SEWER

Company: DUI-SSU / Hernando / Spring Hill

FPSC

Docket No. 920199-WS
Test Year Ended: 12/31/91

Schedule F-8
Page 1 of 1
Preparer: G. Morse

Explanation: If a margin reserve is requested, provide all calculations and analyses used to determine the amount of margin reserve for each portion of used and useful plant.

Recap Schedules: F-5,F-6,F-7

Line No.	Description	Spring Hill (a)
1	Annual Growth From Schedule F-1C	6.0%
2	Number Of ERC's Associated With 1.5 Years Growth	495
3	Average Number Of Test Year ERC's	5,494
4	Projected Number Of ERC's	5,989
5	Test Year Usage Per ERC For Max Mo.	171
6	ADF 1.5 Years Into Future	1,024,868

EQUIVALENT RESIDENTIAL CONNECTIONS - WASTEWATER

Company: **DUI-SSU / Hernando / Spring Hill**

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-10
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide the following information in order to calculate the average growth in ERCs for the last five years, including the test year. If the utility does not have single-family residential (SFR) customers, the largest customer class should be used as a substitute.

Line No.	(1)	(3) ERCs		(4)	(5)	(6)	(7)	(8)	(9)
	Year	Beginning	Ending	Average	Gallons Treated	Gallons/ ERC (5)/(4)	Total Gallons Treated	Total ERCs (7)/(6)	Annual % Incr. in ERCs
1	1987	4,278.0	4,425.0	4,351.5	225,425,000	51,804	225,425,000	4,351.5	ERR
2	1988	4,425.0	4,638.0	4,531.5	224,365,000	49,512	224,365,000	4,531.5	4.1%
3	1989	4,638.0	5,177.0	4,907.5	269,743,000	54,965	269,743,000	4,907.5	8.3%
4	1990	5,177.0	5,425.0	5,301.0	308,338,000	58,166	308,338,000	5,301.0	8.0%
5	1991	5,425.0	5,563.5	5,494.5	299,526,000	54,514	299,526,000	5,494.5	3.7%
Average Growth Through 5-Year Period (Col. 8)									6.0%

Sugar Mill - 1801

Volusia County (SSU)

Sewer

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GALLONS OF WASTEWATER TREATED

In Thousands of Gallons

Company: SSU / Volusia / Sugar Mill

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-2
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide a schedule of gallons of wastewater treated by individual plant for each month of the test year. Flow data should match the the monthly operating reports sent to DER.

Month/ Year	(1) Individual Plant Flows			(4) Total Plant Flows	(5) Total Purch. Sewage Treatment
	(2) Sugar Mill	(2) (Name)	(3) (Name)		
January	3,887			3,887	
February	3,880			3,880	
March	4,855			4,855	
April	5,096			5,096	
May	4,916			4,916	
June	5,783			5,783	
July	5,787			5,787	
August	6,061			6,061	
September	5,242			5,242	
October	5,503			5,503	
November	5,006			5,006	
December	4,815			4,815	
Total	60,831			60,831	

WASTEWATER TREATMENT PLANT DATA

Company: SSU / Volusia / Sugar Mill

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/81

Schedule F-4
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide the following information for each wastewater treatment plant. All flow data must be obtained from the monthly operating reports (MORs) sent to the Department of Environmental Regulation.

	MONTH	GPD
1. Plant Capacity The hydraulic rated capacity. If different from that shown on the DER operating or construction permit, provide an explanation.		270,000
2. Average Daily Flow Max Month An average of the daily flows during the peak usage month during the test year. Explain, on a separate page, if this peak-month was influenced by abnormal infiltration due to rainfall periods. (There is no record that this peak month was influenced by any abnormal infiltration)	August	195,516

USED AND USEFUL CALCULATIONS

Wastewater Treatment Plant

Company: SSU / Volusia / Sugar Mill

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-6
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide all calculations, analyses and governmental requirements used to determine the used and useful percentages for the wastewater treatment plant(s).

Recap Schedules: A-10, B-20

Line No.	Description	Sugar Mill
		(a)
1	FDER Operating Permit No.	DO64-134622
2	Permit Expiration Date	07/15/92
3	Permitted Plant Capacity (GPD)	270,000
4	Permitted Mode of Operation	C/M
5	Method(s) of Effluent Disposal	Spray Irig
6	Permitted Effluent Disposal System Capacity (MGD)	270,000
8	Other Limiting Plant Components:	
9	FDER Notice to Correct	No
10	Consent Order No.	N/A
11	Month Max Flow Occurred	August
12	Peak Flow For Year	195,516
13	Beginning No. of ERC's	601
14	Ending No. of ERC's	631
15	Average No. of ERC's	616
16	Usage Per ERC (GPD)	318
17	Total Lots/ERC's Served By Mains Percentage (Accounts 382.4 and part of 353.4)	7,560 76%
	Used and Useful w/o Margin Reserve:	
18	Plant Used and Useful Percentage (Accounts 354,364,380,381,389.3 and 389.4)	72%
19	Effluent Disposal Used and Useful Percentage (Accounts 382.4 and part of 353.4)	72%
20	Collection System Used and Useful (Accounts 353.2, 354.2, 360, 361, 363, 365.2, 366.2, 370.3 and 389.2)	100% [1]
21	Margin Reserve Flow From Schedule F-8 Associated w/ 1.5 Years Growth:	15,858
22	Margin Reserve Growth From Schedule F-8 Associated w/ 1.5 Years Growth:	50
	Used & Useful With Margin Reserve:	
23	Plant Used and Useful Percentage (Accounts 354,364,380,381,389.3 and 389.4)	78%
24	Effluent Disposal Used and Useful Percentage (Accounts 382.4 and part of 353.4)	78%
25	Collection System Used and Useful (Accounts 353.2, 354.2, 360, 361, 363, 365.2, 366.2, 370.3 and 389.2)	100% [1]

[1] 100% used and useful based on customer density and system layout

USED AND USEFUL CALCULATIONS
Water Distribution and Wastewater Collection Systems

Company: SSU / Volusia / Sugar Mill

FPSC

Docket No. 920199-WS
Test Year Ended: 12/31/91

Schedule F-7
Page 1 of 1
Preparer: G. Morse

Explanation: Provide all calculations, analyses and governmental requirements used to determine the used and useful percentages for the water distribution and wastewater collection systems. The capacity should be in terms of ability to serve a designated number of connections. It should then be related to actual connected density during the test year. If the distribution and collection systems are entirely contributed or built-out, this schedule is not required.

Recap Schedules: A-9,A-10,B-19,B-20
(See Schedules F-5 and F-6)

MARGIN RESERVE CALCULATIONS - SEWER

Company: SSU / Volusia / Sugar Mill

FPSC

Docket No. 920199-WS
Test Year Ended: 12/31/91

Schedule F-8
Page 1 of 1
Preparer: G. Morse

Explanation: If a margin reserve is requested, provide all calculations and analyses used to determine the amount of margin reserve for each portion of used and useful plant.

Recap Schedules: F-5,F-6,F-7

Line No.	Description	Sugar Mill
		(a)
1	Annual Growth From Schedule F-10	5.4%
2	Number Of ERC's Associated With 1.5 Years Growth	50
3	Average Number Of Test Year ERC's	616
4	Projected Number Of ERC's	666
5	Test Year Usage Per ERC For Max Mo.	318
6	ADF 1.5 Years into Future	211,374

EQUIVALENT RESIDENTIAL CONNECTIONS - WASTEWATER

Company: SSU / Volusia / Sugar Mill

FPSC

Docket No. 920199-W/S
 Test Year Ended: 12/31/91

Schedule F-10
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide the following information in order to calculate the average growth in ERCs for the last five years, including the test year. If the utility does not have single-family residential (SFR) customers, the largest customer class should be used as a substitute.

Line No.	(1)	(3) ERCs		(4)	(5)	(6) Gallons/ ERC (5)/(4)	(7) Total Gallons Treated	(8) Total ERCs (7)/(6)	(9) Annual % Incr. in ERCs
	Year	Beginning	Ending	Average	Gallons Treated				
1	1987 [1]	499.0	499.0	499.0	19,510,000	39,098	19,510,000	499.0	ERR
2	1988	499.0	535.0	517.0	44,197,000	85,487	44,197,000	517.0	3.6%
3	1989	535.0	571.0	553.0	42,200,000	76,311	42,200,000	553.0	7.0%
4	1990	571.0	601.0	586.0	51,099,000	87,200	51,099,000	586.0	6.0%
5	1991	601.0	630.5	616.0	60,831,000	98,752	60,831,000	616.0	5.1%
Average Growth Through 5-Year Period (Col. 8)									5.4%

[1] Acquired August 1987.

Sugar Mill Woods - 989

Citrus County (SSU)

Sewer

- 1992 FPSC Filing -

GALLONS OF WASTEWATER TREATED

In Thousands of Gallons

Company: SSU / Citrus / Sugarmill Woods

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-2
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide a schedule of gallons of wastewater treated by individual plant for each month of the test year. Flow data should match the the monthly operating reports sent to DER.

Month/ Year	(1)	(2)		(3)	(4)	(5)
	Sugarmill Woods	Individual Plant Flows			Total Plant Flows	Total Purch. Sewage Treatment
		(Name)	(Name)			
January	8,064				8,064	
February	7,523				7,523	
March	8,393				8,393	
April	7,869				7,869	
May	7,828				7,828	
June	7,113				7,113	
July	7,396				7,396	
August	7,261				7,261	
September	6,638				6,638	
October	7,036				7,036	
November	7,398				7,398	
December	7,658				7,658	
Total	90,177				90,177	

WASTEWATER TREATMENT PLANT DATA

Company: SSU / Citrus / Sugarmill Woods

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-4
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide the following information for each wastewater treatment plant. All flow data must be obtained from the monthly operating reports (MORs) sent to the Department of Environmental Regulation.

	MONTH	GPD
1. Plant Capacity		500,000
The hydraulic rated capacity. If different from that shown on the DER operating or construction permit, provide an explanation.		
2. Average Daily Flow Max Month	March	270,742
An average of the daily flows during the peak usage month during the test year. Explain, on a separate page, if this peak-month was influenced by abnormal infiltration due to rainfall periods. (There is no record that this peak month was influenced by any abnormal infiltration)		

USED AND USEFUL CALCULATIONS

Wastewater Treatment Plant

Company: SSU / Citrus / Sugarmill Woods

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-6
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide all calculations, analyses and governmental requirements used to determine the used and useful percentages for the wastewater treatment plant(s).

Recap Schedules: A-10,B-20

Line No.	Description	Sugarmill Woods
		(a)
1	FDER Operating Permit No.	DO09-158879
2	Permit Expiration Date	09/01/92
3	Permitted Plant Capacity (GPD)	500,000
4	Permitted Mode of Operation	E/A
5	Method(s) of Effluent Disposal	Spray
6	Permitted Effluent Disposal System Capacity (MGD)	500,000
8	Other Limiting Plant Components:	
9	FDER Notice to Correct	No
10	Consent Order No.	N/A
11	Month Max Flow Occurred	March
12	Peak Flow For Year	270,742
13	Beginning No. of ERC's	4,018
14	Ending No. of ERC's	4,319
15	Average No. of ERC's	4,168
16	Usage Per ERC (GPD)	65
17	Total Lots/ERC's Served By Mains Percentage (Accounts 382.4 and part of 353.4)	9,054
	Used and Useful w/o Margin Reserve:	
18	Plant Used and Useful Percentage (Accounts 354,364,380,381,389.3 and 389.4)	54%
19	Effluent Disposal Used and Useful Percentage (Accounts 382.4 and part of 353.4)	54%
20	Collection System Used and Useful (Accounts 353.2, 354.2, 360, 361, 363, 365.2, 366.2, 370.3 and 389.2)	46%
21	Margin Reserve Flow From Schedule F-8 Associated w/ 1.5 Years Growth:	24,219
22	Margin Reserve Growth From Schedule F-8 Associated w/ 1.5 Years Growth:	373
	Used & Useful With Margin Reserve:	
23	Plant Used and Useful Percentage (Accounts 354,364,380,381,389.3 and 389.4)	59%
24	Effluent Disposal Used and Useful Percentage (Accounts 382.4 and part of 353.4)	59%
25	Collection System Used and Useful (Accounts 353.2, 354.2, 360, 361, 363, 365.2, 366.2, 370.3 and 389.2)	49%

USED AND USEFUL CALCULATIONS

Water Distribution and Wastewater Collection Systems

Company: SSU / Citrus / Sugarmill Woods

FPSC

Docket No. 920199-WS
Test Year Ended: 12/31/91

Schedule F-7
Page 1 of 1
Preparer: G. Morse

Explanation: Provide all calculations, analyses and governmental requirements used to determine the used and useful percentages for the water distribution and wastewater collection systems. The capacity should be in terms of ability to serve a designated number of connections. It should then be related to actual connected density during the test year. If the distribution and collection systems are entirely contributed or built-out, this schedule is not required.

Recap Schedules: A-9,A-10,B-19,B-20
(See Schedules F-5 and F-6)

MARGIN RESERVE CALCULATIONS - SEWER

Company: SSU / Citrus / Sugarmill Woods

FPSC

Docket No. 920199-WS
Test Year Ended: 12/31/91

Schedule F-8
Page 1 of 1
Preparer: G. Morse

Explanation: If a margin reserve is requested, provide all calculations and analyses used to determine the amount of margin reserve for each portion of used and useful plant.

Recap Schedules: F-5,F-6,F-7

Line No.	Description	Sugarmill Woods
		(a)
1	Annual Growth From Schedule F-10	6.0%
2	Number Of ERC's Associated With 1.5 Years Growth	373
3	Average Number Of Test Year ERC's	4,168
4	Projected Number Of ERC's	4,541
5	Test Year Usage Per ERC For Max Mo.	65
6	ADF 1.5 Years Into Future	294,961

EQUIVALENT RESIDENTIAL CONNECTIONS - WASTEWATER

Company: SSU / Citrus / Sugarmill Woods

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-10
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide the following information in order to calculate the average growth in ERCs for the last five years, including the test year. If the utility does not have single-family residential (SFR) customers, the largest customer class should be used as a substitute.

Line No.	(1)	(3) ERCs		(4)	(5)	(6)	(7)	(8)	(9)
	Year	Beginning	Ending	Average	Gallons Treated	Gallons/ ERC (5)/(4)	Total Gallons Treated	Total ERCs (7)/(6)	Annual % Incr. in ERCs
1	1987								
2	1988 [1]								
3	1989	3,595.0	3,830.0	3,712.5	88,397,000	23,811	88,397,000	3,712.5	
4	1990	3,830.0	4,018.0	3,924.0	92,331,000	23,530	92,331,000	3,924.0	5.7%
5	1991	4,018.0	4,318.5	4,168.5	90,177,000	21,633	90,177,000	4,168.5	6.2%
Average Growth Through 2-Year Period (Col. 8)									6.0%

[1] Acquired December 1988.

Sunny Hills Utilities - 28001

Washington County (UFU)

Sewer

- 1992 FPSC Filing -

GALLONS OF WASTEWATER TREATED

In Thousands of Gallons

Company: SSU / Washington / Sunny Hills

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-2
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide a schedule of gallons of wastewater treated by individual plant for each month of the test year. Flow data should match the the monthly operating reports sent to DER.

Month/ Year	(1)	(2)		(3)	(4)	(5)
	Sunny Hills	Individual Plant Flows			Total Plant Flows	Total Purch. Sewage Treatment
		(Name)	(Name)			
January	761				761	
February	623				623	
March	692				692	
April	677				677	
May	690				690	
June	667				667	
July	713				713	
August	744				744	
September	660				660	
October	744				744	
November	660				660	
December	713				713	
Total	8,344				8,344	

WASTEWATER TREATMENT PLANT DATA

Company: SSU / Washington / Sunny Hills

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-4
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide the following information for each wastewater treatment plant. All flow data must be obtained from the monthly operating reports (MORs) sent to the Department of Environmental Regulation.

	MONTH	GPD
1. Plant Capacity		50,000
The hydraulic rated capacity. If different from that shown on the DER operating or construction permit, provide an explanation.		
2. Average Daily Flow Max Month	January	24,548
An average of the daily flows during the peak usage month during the test year. Explain, on a separate page, if this peak-month was influenced by abnormal infiltration due to rainfall periods.		
(There is no record that this peak month was influenced by any abnormal infiltration)		

USED AND USEFUL CALCULATIONS

Wastewater Treatment Plant

Company: SSU / Washington / Sunny Hills

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-6
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide all calculations, analyses and governmental requirements used to determine the used and useful percentages for the wastewater treatment plant(s).

Recap Schedules: A-10,B-20

Line No.	Description	Sunny Hills
		(a)
1	FDER Operating Permit No.	DO67-183836
2	Permit Expiration Date	09/24/95
3	Permitted Plant Capacity (GPD)	50,000
4	Permitted Mode of Operation	E/A
5	Method(s) of Effluent Disposal	Ponds
6	Permitted Effluent Disposal	
7	System Capacity (MGD)	50,000
8	Other Limiting Plant Components:	
9	FDER Notice to Correct	No
10	Consent Order No.	N/A
11	Month Max Flow Occurred	January
12	Peak Flow For Year	24,548
13	Beginning No. of ERC's	176
14	Ending No. of ERC's	180
15	Average No. of ERC's	178
16	Usage Per ERC (GPD)	138
17	Total Lots/ERC's Served By Mains Percentage (Accounts 382.4 and part of 353.4)	497
	Used and Useful w/o Margin Reserve:	
18	Plant Used and Useful Percentage (Accounts 354,364,380,381,389.3 and 389.4)	49%
19	Effluent Disposal Used and Useful Percentage (Accounts 382.4 and part of 353.4)	49%
20	Collection System Used and Useful (Accounts 353.2, 354.2, 360, 361, 363, 365.2, 366.2, 370.3 and 389.2)	36%
21	Margin Reserve Flow From Schedule F-8 Associated w/ 1.5 Years Growth:	739
22	Margin Reserve Growth From Schedule F-8 Associated w/ 1.5 Years Growth:	52
	Used & Useful With Margin Reserve:	
23	Plant Used and Useful Percentage (Accounts 354,364,380,381,389.3 and 389.4)	51%
24	Effluent Disposal Used and Useful Percentage (Accounts 382.4 and part of 353.4)	51%
25	Collection System Used and Useful (Accounts 353.2, 354.2, 360, 361, 363, 365.2, 366.2, 370.3 and 389.2)	37% 36.9%

USED AND USEFUL CALCULATIONS

Water Distribution and Wastewater Collection Systems

Company: SSU / Washington / Sunny Hills

FPSC

Docket No. 920199-WS
Test Year Ended: 12/31/91

Schedule F-7
Page 1 of 1
Preparer: G. Morse

Explanation: Provide all calculations, analyses and governmental requirements used to determine the used and useful percentages for the water distribution and wastewater collection systems. The capacity should be in terms of ability to serve a designated number of connections. It should then be related to actual connected density during the test year. If the distribution and collection systems are entirely contributed or built-out, this schedule is not required.

Recap Schedules: A-9,A-10,B-19,B-20
(See Schedules F-5 and F-6)

MARGIN RESERVE CALCULATIONS - SEWER

Company: SSU / Washington / Sunny Hills

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-8
 Page 1 of 1
 Preparer: G. Morse

Explanation: If a margin reserve is requested, provide all calculations and analyses used to determine the amount of margin reserve for each portion of used and useful plant.

Recap Schedules: F-5,F-6,F-7

Line No.	Description	Sunny Hills (a)
1	Annual Growth From Schedule F-10	2.8% 0.90%
2	Number Of ERC's Associated With 1.5 Years Growth	5 2
3	Average Number Of Test Year ERC's	178
4	Projected Number Of ERC's	188 180
5	Test Year Usage Per ERC For Max Mo.	138
6	ADF 1.5 Years Into Future	25,287

EQUIVALENT RESIDENTIAL CONNECTIONS - WASTEWATER

Company: SSU / Washington / Sunny Hills

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-10
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide the following information in order to calculate the average growth in ERCs for the last five years, including the test year. If the utility does not have single-family residential (SFR) customers, the largest customer class should be used as a substitute.

Line No.	(1) Year	(3) ERCs		(4) Average	(5) Gallons Treated	(6) Gallons/ ERC (5)/(4)	(7) Total Gallons Treated	(8) Total ERCs (7)/(6)	(9) Annual % Incr. in ERCs
		(2) Beginning	Ending						
1	1987	171.0	172.0	171.5	6,862,000	40,012	6,862,000	171.5	ERR
2	1988	172.0	176.0	174.0	7,948,000	45,678	7,948,000	174.0	1.5%
3	1989	176.0	173.0	174.5	7,789,000	44,636	7,789,000	174.5	0.3%
4	1990	173.0	176.0	174.5	7,612,000	43,622	7,612,000	174.5	0.0%
5	1991	176.0	180.0	178.0	8,344,000	46,876	8,344,000	178.0	2.0%
Average Growth Through 5-Year Period (Col. 8)									0.9%

Sunshine Parkway - 560

Lake County (SSU)

Sewer

- 1992 FPSC Filing -

GALLONS OF WASTEWATER TREATED

In Thousands of Gallons

Company: SSU / Lake / Sunshine Parkway

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-2
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide a schedule of gallons of wastewater treated by individual plant for each month of the test year. Flow data should match the the monthly operating reports sent to DER.

Month/ Year	(1) (2) (3) Individual Plant Flows			(4) Total Plant Flows	(5) Total Purch. Sewage Treatment
	Sunshine Pkwy	(Name)	(Name)		
January	1,135			1,135	
February	1,150			1,150	
March	1,394			1,394	
April	1,457			1,457	
May	1,958			1,958	
June	2,072			2,072	
July	2,302			2,302	
August	2,375			2,375	
September	1,749			1,749	
October	1,526			1,526	
November	1,558			1,558	
December	1,879			1,879	
Total	20,555			20,555	

WASTEWATER TREATMENT PLANT DATA

Company: SSU / Lake / Sunshine Parkway

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-4
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide the following information for each wastewater treatment plant. All flow data must be obtained from the monthly operating reports (MORs) sent to the Department of Environmental Regulation.

	MONTH	GPD
1. Plant Capacity		250,000
The hydraulic rated capacity. If different from that shown on the DER operating or construction permit, provide an explanation.		
2. Average Daily Flow Max Month	August	76,613
An average of the daily flows during the peak usage month during the test year. Explain, on a separate page, if this peak-month was influenced by abnormal infiltration due to rainfall periods.		
(There is no record that this peak month was influenced by any abnormal infiltration)		

USED AND USEFUL CALCULATIONS

Wastewater Treatment Plant

Company: SSU / Lake / Sunshine Parkway

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-6
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide all calculations, analyses and governmental requirements used to determine the used and useful percentages for the wastewater treatment plant(s).

Recap Schedules: A-10, B-20

Line No.	Description	Sunshine Parkway
		(a)
1	FDER Operating Permit No.	DT35-131150
2	Permit Expiration Date	04/15/92
3	Permitted Plant Capacity (GPD)	150,000 [1]
4	Permitted Mode of Operation	E/A
5	Method(s) of Effluent Disposal	Ponds
6	Permitted Effluent Disposal System Capacity (MGD)	150,000
8	Other Limiting Plant Components:	
9	FDER Notice to Correct	No
10	Consent Order No.	N/A
11	Month Max Flow Occurred	August
12	Peak Flow For Year	76,613
13	Beginning No. of ERC's	55
14	Ending No. of ERC's	57
15	Average No. of ERC's	56
16	Usage Per ERC (GPD)	1,374
17	Total Lots/ERC's Served By Mains Percentage (Accounts 382.4 and part of 353.4)	56
	Used and Useful w/o Margin Reserve:	
18	Plant Used and Useful Percentage (Accounts 354,364,380,381,389.3 and 389.4)	51%
19	Effluent Disposal Used and Useful Percentage (Accounts 382.4 and part of 353.4)	51%
20	Collection System Used and Useful (Accounts 353.2, 354.2, 360, 361, 363, 365.2, 366.2, 370.3 and 389.2)	100%
21	Margin Reserve Flow From Schedule F-8 Associated w/ 1.5 Years Growth:	None Requested
22	Margin Reserve Growth From Schedule F-8 Associated w/ 1.5 Years Growth:	
	Used & Useful With Margin Reserve:	
23	Plant Used and Useful Percentage (Accounts 354,364,380,381,389.3 and 389.4)	
24	Effluent Disposal Used and Useful Percentage (Accounts 382.4 and part of 353.4)	
25	Collection System Used and Useful (Accounts 353.2, 354.2, 360, 361, 363, 365.2, 366.2, 370.3 and 389.2)	

[1] According to the terms of the operating permit, flows to this plant are limited to 150,000 GPD.

USED AND USEFUL CALCULATIONS
Water Distribution and Wastewater Collection Systems

Company: SSU / Lake / Sunshine Parkway

FPSC

Docket No. 920199-WS
Test Year Ended: 12/31/91

Schedule F-7
Page 1 of 1
Preparer: G. Morse

Explanation: Provide all calculations, analyses and governmental requirements used to determine the used and useful percentages for the water distribution and wastewater collection systems. The capacity should be in terms of ability to serve a designated number of connections. It should then be related to actual connected density during the test year. If the distribution and collection systems are entirely contributed or built-out, this schedule is not required.

Recap Schedules: A-9, A-10, B-19, B-20
(See Schedules F-5 and F-6)

EQUIVALENT RESIDENTIAL CONNECTIONS - WASTEWATER

Company: SSU / Lake / Sunshine Parkway

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-10
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide the following information in order to calculate the average growth in ERCs for the last five years, including the test year. If the utility does not have single-family residential (SFR) customers, the largest customer class should be used as a substitute.

Line No.	(1)	(3) ERCs		(4)	(5)	(6)	(7)	(8)	(9)
	Year	Beginning	Ending	Average	Gallons Treated	Gallons/ ERC (5)/(4)	Total Gallons Treated	Total ERCs (7)/(6)	Annual % Incr. in ERCs
1	1987	117.0	75.0	96.0	42,420,000	441,875	42,420,000	96.0	ERR
2	1988	75.0	55.0	65.0	48,196,000	741,477	48,196,000	65.0	-32.3%
3	1989	55.0	55.0	55.0	33,300,000	605,455	33,300,000	55.0	-15.4%
4	1990	55.0	55.0	55.0	24,172,000	439,491	24,172,000	55.0	-0.0%
5	1991	55.0	56.5	56.0	20,555,000	367,054	20,555,000	56.0	1.8%
Average Growth Through 5-Year Period (Col. 8)									-12.6%

University Shores - 106

Orange County (SSU)

Sewer

- 1992 FPSC Filing -

GALLONS OF WASTEWATER TREATED

In Thousands of Gallons

Company: SSU / Orange / University Shores & Suncrest

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-2
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide a schedule of gallons of wastewater treated by individual plant for each month of the test year. Flow data should match the the monthly operating reports sent to DER.

Month/ Year	(1) Individual Plant Flows		(3)	(4)	(5)
	STP #1 (AWT)	STP #2	(Name)	Total Plant Flows	Total Purch. Sewage Treatment
January	7,486	16,868		24,354	
February	4,514	15,468		19,982	
March	4,407	17,767		22,174	
April	4,413	17,719		22,132	
May	5,057	21,041		26,098	
June	4,142	20,208		24,350	
July	4,563	21,998		26,561	
August	4,210	20,153		24,363	
September	4,806	16,401		21,207	
October	4,749	15,591		20,340	
November	3,193	19,359		22,552	
December	2,775	19,086		21,861	
Total	54,315	221,659		275,974	

WASTEWATER TREATMENT PLANT DATA

Company: SSU / Orange / University Shores & Suncrest

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-4
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide the following information for each wastewater treatment plant. All flow data must be obtained from the monthly operating reports (MORs) sent to the Department of Environmental Regulation.

		MONTH		GPD
1.	Plant Capacity	DAVCO PLANT		870,000
		SANITAIRE AWT PLANT		275,000
	The hydraulic rated capacity. If different from that shown on the DER operating or construction permit, provide an explanation.			
2.	Average Daily Flow Max Month	DAVCO PLANT	July	709,613
		SANITAIRE AWT PLANT	January	241,484
	An average of the daily flows during the peak usage month during the test year. Explain, on a separate page, if this peak-month was influenced by abnormal infiltration due to rainfall periods. (There is no record that this peak month was influenced by any abnormal infiltration)			

USED AND USEFUL CALCULATIONS

Wastewater Treatment Plant

Company: SSU / Orange / University Shores & Suncrest

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-6
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide all calculations, analyses and governmental requirements used to determine the used and useful percentages for the wastewater treatment plant(s).

Recap Schedules: A-10, B-20

Line No.	Description	Davco Plant	Sanitaire AWT Plant	Combined Facility
		(a)	(b)	(c)
1	FDER Operating Permit No.	DO48-193001	DO48-168974	
2	Permit Expiration Date	08/16/96	06/10/96	
3	Permitted Plant Capacity (GPD)	870,000	275,000	1,145,000
4	Permitted Mode of Operation	CM	E/A	
5	Method(s) of Effluent Disposal	Ponds/Spray	River	
6	Permitted Effluent Disposal System Capacity (MGD)	870,000	275,000	1,145,000
8	Other Limiting Plant Components:			
9	FDER Notice to Correct	No	No	No
10	Consent Order No.	N/A	N/A	N/A
11	Month Max Flow Occurred	July	January	
12	Peak Flow For Year	709,613	241,484	951,097
13	Beginning No. of ERC's			2,789
14	Ending No. of ERC's			2,920
15	Average No. of ERC's			2,855
16	Usage Per ERC (GPD)			333
17	Total Lots/ERC's Served By Mains Percentage (Accounts 382.4 and part of 353.4) [1]			4,275
<u>Used and Useful w/o Margin Reserve:</u>				
18	Plant Used and Useful Percentage (Accounts 354,364,380,381,389.3 and 389.4)			83%
19	Effluent Disposal Used and Useful Percentage (Accounts 382.4 and part of 353.4)			83%
20	Collection System Used and Useful (Accounts 353.2, 354.2, 360, 361, 363, 365.2, 366.2, 370.3 and 389.2)			67%
21	Margin Reserve Flow From Schedule F-8 Associated w/ 1.5 Years Growth:			128,918
22	Margin Reserve Growth From Schedule F-8 Associated w/ 1.5 Years Growth:			387
<u>Used & Useful With Margin Reserve:</u>				
23	Plant Used and Useful Percentage (Accounts 354,364,380,381,389.3 and 389.4)			94%
24	Effluent Disposal Used and Useful Percentage (Accounts 382.4 and part of 353.4)			94%
25	Collection System Used and Useful (Accounts 353.2, 354.2, 360, 361, 363, 365.2, 366.2, 370.3 and 389.2)			73%

[1] Per Table 2-10 of Hartman & Associates August 1991 Wastewater Treatment Plant report.

USED AND USEFUL CALCULATIONS

Water Distribution and Wastewater Collection Systems

Company: SSU / Orange / University Shores & Suncrest

Docket No. 920199-WS
Test Year Ended: 12/31/91

FPSC

Schedule F-7
Page 1 of 1
Preparer: G. Morse

Explanation: Provide all calculations, analyses and governmental requirements used to determine the used and useful percentages for the water distribution and wastewater collection systems. The capacity should be in terms of ability to serve a designated number of connections. It should then be related to actual connected density during the test year. If the distribution and collection systems are entirely contributed or built-out, this schedule is not required.

Recap Schedules: A-9,A-10,B-19,B-20
(See Schedules F-5 and F-6)

MARGIN RESERVE CALCULATIONS - SEWER

Company: SSU / Orange / University Shores & Suncrest

FPSC

Docket No. 920199-WS
Test Year Ended: 12/31/91

Schedule F-8
Page 1 of 1
Preparer: G. Morse

Explanation: If a margin reserve is requested, provide all calculations and analyses used to determine the amount of margin reserve for each portion of used and useful plant.

Recap Schedules: F-5,F-6,F-7

Line No.	Description	University Shores
		(a)
1	Annual Growth From Schedule F-10	9.0%
2	Number Of ERC's Associated With 1.5 Years Growth	387
3	Average Number Of Test Year ERC's	2,855
4	Projected Number Of ERC's	3,241
5	Test Year Usage Per ERC For Max Mo.	333
6	ADF 1.5 Years into Future	1,080,014

EQUIVALENT RESIDENTIAL CONNECTIONS - WASTEWATER

Company: SSU / Orange / University Shores & Suncrest

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-10
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide the following information in order to calculate the average growth in ERCs for the last five years, including the test year. If the utility does not have single-family residential (SFR) customers, the largest customer class should be used as a substitute.

Line No.	(1) Year	(3) ERCs			(5) Gallons Treated	(6) Gallons/ERC (5)/(4)	(7) Total Gallons Treated	(8) Total ERCs (7)/(6)	(9) Annual % Incr. in ERCs
		(2) Beginning	(3) Ending	(4) Average					
1	1987	1,911.0	2,128.0	2,019.5	114,380,000	56,638	114,380,000	2,019.5	ERR
2	1988	2,128.0	2,311.0	2,219.5	186,117,000	83,855	186,117,000	2,219.5	9.9%
3	1989	2,311.0	2,605.0	2,458.0	193,202,000	78,601	193,202,000	2,458.0	10.7%
4	1990	2,605.0	2,789.0	2,697.0	247,443,000	91,747	247,443,000	2,697.0	9.7%
5	1991	2,789.0	2,920.0	2,854.5	275,974,000	96,680	275,974,000	2,854.5	5.8%
Average Growth Through 5-Year Period (Col. 8)									9.0%

Venetian Village - 567

Lake County (SSU)

Sewer

- 1992 FPSC Filing -

GALLONS OF WASTEWATER TREATED

In Thousands of Gallons

Company: SSU / Lake / Venetian Village

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-2
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide a schedule of gallons of wastewater treated by individual plant for each month of the test year. Flow data should match the the monthly operating reports sent to DER.

Month/ Year	(1) (2) (3) Individual Plant Flows			(4) Total Plant Flows	(5) Total Purch. Sewage Treatment
	Venetian Village	(Name)	(Name)		
January	733			733	
February	663			663	
March	885			885	
April	872			872	
May	868			868	
June	787			787	
July	868			868	
August	683			683	
September	685			685	
October	674			674	
November	521			521	
December	602			602	
Total	8,841			8,841	

WASTEWATER TREATMENT PLANT DATA

Company: SSU / Lake / Venetian Village

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-4
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide the following information for each wastewater treatment plant. All flow data must be obtained from the monthly operating reports (MORs) sent to the Department of Environmental Regulation.

	MONTH	GPD
1. Plant Capacity The hydraulic rated capacity. If different from that shown on the DER operating or construction permit, provide an explanation.		36,000
2. Average Daily Flow Max Month An average of the daily flows during the peak usage month during the test year. Explain, on a separate page, if this peak-month was influenced by abnormal infiltration due to rainfall periods. (There is no record that this peak month was influenced by any abnormal infiltration)	March	28,548

USED AND USEFUL CALCULATIONS

Wastewater Treatment Plant

Company: SSU / Lake / Venetian Village

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-6
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide all calculations, analyses and governmental requirements used to determine the used and useful percentages for the wastewater treatment plant(s).

Recap Schedules: A-10,B-20

Line No.	Description	Venetian Village	
		(a)	
1	FDER Operating Permit No.	DC35-155737	
2	Permit Expiration Date	04/21/94	
3	Permitted Plant Capacity (GPD)	36,000	
4	Permitted Mode of Operation	E/A	
5	Method(s) of Effluent Disposal	Ponds	
6	Permitted Effluent Disposal System Capacity (MGD)	36,000	
8	Other Limiting Plant Components:		
9	FDER Notice to Correct	No	
10	Consent Order No.	N/A	
11	Month Max Flow Occurred	March	
12	Peak Flow For Year	28,548	
13	Beginning No. of ERC's	82	
14	Ending No. of ERC's	84	
15	Average No. of ERC's	83	
16	Usage Per ERC (GPD)	344	
17	Total Lots/ERC's Served By Mains Percentage (Accounts 382.4 and part of 353.4)	107	
	Used and Useful w/o Margin Reserve:		
18	Plant Used and Useful Percentage (Accounts 354,364,380,381,389.3 and 389.4)	79%	
19	Effluent Disposal Used and Useful Percentage (Accounts 382.4 and part of 353.4)	79%	
20	Collection System Used and Useful (Accounts 353.2, 354.2, 360, 361, 363, 365.2, 366.2, 370.3 and 389.2)	100%	[1]
21	Margin Reserve Flow From Schedule F-8 Associated w/ 1.5 Years Growth:	2,271	
22	Margin Reserve Growth From Schedule F-8 Associated w/ 1.5 Years Growth:	7	
	Used & Useful With Margin Reserve:		
23	Plant Used and Useful Percentage (Accounts 354,364,380,381,389.3 and 389.4)	86%	
24	Effluent Disposal Used and Useful Percentage (Accounts 382.4 and part of 353.4)	86%	
25	Collection System Used and Useful (Accounts 353.2, 354.2, 360, 361, 363, 365.2, 366.2, 370.3 and 389.2)	100%	[1]

[1] 100% used and useful based on customer density and system layout.

USED AND USEFUL CALCULATIONS
Water Distribution and Wastewater Collection Systems

Company: SSU / Lake / Venetian Village

FPSC

Docket No. 920199-WS
Test Year Ended: 12/31/91

Schedule F-7
Page 1 of 1
Preparer: G. Morse

Explanation: Provide all calculations, analyses and governmental requirements used to determine the used and useful percentages for the water distribution and wastewater collection systems. The capacity should be in terms of ability to serve a designated number of connections. It should then be related to actual connected density during the test year. If the distribution and collection systems are entirely contributed or built-out, this schedule is not required.

Recap Schedules: A-9,A-10,B-19,B-20
(See Schedules F-5 and F-6)

MARGIN RESERVE CALCULATIONS - SEWER

Company: SSU / Lake / Venetian Village

FPSC

Docket No. 920199-WS
Test Year Ended: 12/31/91

Schedule F-8
Page 1 of 1
Preparer: G. Morse

Explanation: If a margin reserve is requested, provide all calculations and analyses used to determine the amount of margin reserve for each portion of used and useful plant.

Recap Schedules: F-5,F-6,F-7

Line No.	Description	Venetian Village
		(a)
1	Annual Growth From Schedule F-10	5.3%
2	Number Of ERC's Associated With 1.5 Years Growth	7
3	Average Number Of Test Year ERC's	83
4	Projected Number Of ERC's	90
5	Test Year Usage Per ERC For Max Mo.	344
6	ADF 1.5 Years Into Future	30,820

EQUIVALENT RESIDENTIAL CONNECTIONS - WASTEWATER

Company: SSU / Lake / Venetian Village

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-10
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide the following information in order to calculate the average growth in ERCs for the last five years, including the test year. If the utility does not have single-family residential (SFR) customers, the largest customer class should be used as a substitute.

Line No.	(1)	(3) ERCs		(4)	(5)	(6)	(7)	(8)	(9)
	Year	Beginning	Ending	Average	Gallons Treated	Gallons/ERC (5)/(4)	Total Gallons Treated	Total ERCs (7)/(6)	Annual % Incr. in ERCs
1	1987	67.0	68.0	67.5	8,440,000	125,037	8,440,000	67.5	ERR
2	1988	68.0	76.0	72.0	16,711,000	232,097	16,711,000	72.0	6.7%
3	1989	76.0	78.0	77.0	6,225,000	80,844	6,225,000	77.0	6.9%
4	1990	78.0	82.0	80.0	7,935,000	99,188	7,935,000	80.0	3.9%
5	1991	82.0	84.0	83.0	8,841,000	106,518	8,841,000	83.0	3.8%
Average Growth Through 5-Year Period (Col. 8)									5.3%

Woodmere - 888

Duval County (SSU)

Sewer

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GALLONS OF WASTEWATER TREATED

In Thousands of Gallons

Company: SSU / Duval / Woodmere

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-2
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide a schedule of gallons of wastewater treated by individual plant for each month of the test year. Flow data should match the the monthly operating reports sent to DER.

Month/ Year	(1)	(2) Individual Plant Flows		(3)	(4)	(5)
	Woodmere	(Name)	(Name)		Total Plant Flows	Total Purch. Sewage Treatment
January	14,099				14,099	
February	12,971				12,971	
March	12,066				12,066	
April	11,880				11,880	
May	12,958				12,958	
June	13,860				13,860	
July	17,174				17,174	
August	12,803				12,803	
September	9,660				9,660	
October	10,943				10,943	
November	9,240				9,240	
December	9,083				9,083	
Total	146,737				146,737	

WASTEWATER TREATMENT PLANT DATA

Company: SSU / Duval / Woodmere

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-4
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide the following information for each wastewater treatment plant. All flow data must be obtained from the monthly operating reports (MORs) sent to the Department of Environmental Regulation.

	MONTH	GPD
1. Plant Capacity The hydraulic rated capacity. If different from that shown on the DER operating or construction permit, provide an explanation.		500,000
2. Average Daily Flow Max Month An average of the daily flows during the peak usage month during the test year. Explain, on a separate page, if this peak-month was influenced by abnormal infiltration due to rainfall periods. (There is no record that this peak month was influenced by any abnormal infiltration)	July	554,000

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USED AND USEFUL CALCULATIONS

Wastewater Treatment Plant

Company: SSU / Duval / Woodmere

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-6
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide all calculations, analyses and governmental requirements used to determine the used and useful percentages for the wastewater treatment plant(s).

Recap Schedules: A-10,B-20

Line No.	Description	Woodmere
		(a)
1	FDER Operating Permit No.	DO16-194530
2	Permit Expiration Date	04/30/96
3	Permitted Plant Capacity (GPD)	500,000
4	Permitted Mode of Operation	C/S
5	Method(s) of Effluent Disposal	River
6	Permitted Effluent Disposal	
7	System Capacity (MGD)	500,000
8	Other Limiting Plant Components:	
9	FDER Notice to Correct	No
10	Consent Order No.	N/A
11	Month Max Flow Occurred	July
12	Peak Flow For Year	554,000
13	Beginning No. of ERC's	1,456
14	Ending No. of ERC's	1,460
15	Average No. of ERC's	1,458
16	Usage Per ERC (GPD)	380
17	Total Lots/ERC's Served By Mains	1,600
	Percentage (Accounts 382.4 and part of 353.4)	
	Used and Useful w/o Margin Reserve:	
18	Plant Used and Useful Percentage (Accounts 354,364,380,381,389.3 and 389.4)	100%
19	Effluent Disposal Used and Useful Percentage (Accounts 382.4 and part of 353.4)	100%
20	Collection System Used and Useful (Accounts 353.2 , 354.2 , 360 , 361 , 363 , 365.2 , 366.2 , 370.3 and 389.2)	100% [1]
21	Margin Reserve Flow From Schedule F-8 Associated w/ 1.5 Years Growth:	None Requested
22	Margin Reserve Growth From Schedule F-8 Associated w/ 1.5 Years Growth:	
	Used & Useful With Margin Reserve:	
23	Plant Used and Useful Percentage (Accounts 354,364,380,381,389.3 and 389.4)	
24	Effluent Disposal Used and Useful Percentage (Accounts 382.4 and part of 353.4)	
25	Collection System Used and Useful (Accounts 353.2 , 354.2 , 360 , 361 , 363 , 365.2 , 366.2 , 370.3 and 389.2)	

[1] Collection system 100% used and useful based on customer density.

USED AND USEFUL CALCULATIONS

Water Distribution and Wastewater Collection Systems

Company: SSU / Duval / Woodmere

FPSC

Docket No. 920199-WS
Test Year Ended: 12/31/91

Schedule F-7
Page 1 of 1
Preparer: G. Morse

Explanation: Provide all calculations, analyses and governmental requirements used to determine the used and useful percentages for the water distribution and wastewater collection systems. The capacity should be in terms of ability to serve a designated number of connections. It should then be related to actual connected density during the test year. If the distribution and collection systems are entirely contributed or built-out, this schedule is not required.

Recap Schedules: A-9,A-10,B-19,B-20
(See Schedules F-5 and F-6)

EQUIVALENT RESIDENTIAL CONNECTIONS - WASTEWATER

Company: SSU / Duval / Woodmere

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-10
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide the following information in order to calculate the average growth in ERCs for the last five years, including the test year. If the utility does not have single-family residential (SFR) customers, the largest customer class should be used as a substitute.

Line No.	(1)	(3) ERCs		(4)	(5)	(6)	(7)	(8)	(9)
	Year	Beginning	Ending	Average	Gallons Treated	Gallons/ ERC (5)/(4)	Total Gallons Treated	Total ERCs (7)/(6)	Annual % Incr. in ERCs
1	1987	1,039.0	1,433.0	1,236.0	177,885,000	143,920	177,885,000	1,236.0	ERR
2	1988	1,433.0	1,442.0	1,437.5	138,488,000	96,339	138,488,000	1,437.5	16.3%
3	1989	1,442.0	1,454.0	1,448.0	170,090,000	117,465	170,090,000	1,448.0	0.7%
4	1990	1,454.0	1,456.0	1,455.0	133,105,000	91,481	133,105,000	1,455.0	0.5%
5	1991	1,456.0	1,460.0	1,458.0	146,737,000	100,643	146,737,000	1,458.0	0.2%
Average Growth Through 5-Year Period (Col. 8)									4.2%

Zephyr Shores - 1427

Pasco County (SSU)

Sewer

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GALLONS OF WASTEWATER TREATED
In Thousands of Gallons

Company: SSU / Pasco / Zephyr Shores

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-2
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide a schedule of gallons of wastewater treated by individual plant for each month of the last year. Flow data should match the the monthly operating reports sent to DER.

Month/ Year	(1) Individual Plant Flows			(4) Total Plant Flows	(5) Total Purch. Sewage Treatment
	Zephyr Shores	(2) (Name)	(3) (Name)		
January	871			871	
February	1,689			1,689	
March	1,450			1,450	
April	1,000			1,000	
May	620			620	
June	522			522	
July	563			563	
August	599			599	
September	631			631	
October	751			751	
November	892			892	
December	1,248			1,248	
Total	10,836			10,836	

WASTEWATER TREATMENT PLANT DATA

Company: SSU / Pasco / Zephyr Shores

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-4
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide the following information for each wastewater treatment plant. All flow data must be obtained from the monthly operating reports (MORs) sent to the Department of Environmental Regulation.

	MONTH	GPD
1. Plant Capacity The hydraulic rated capacity. If different from that shown on the DER operating or construction permit, provide an explanation.		80,000
2. Average Daily Flow Max Month An average of the daily flows during the peak usage month during the last year. Explain, on a separate page, if this peak-month was influenced by abnormal infiltration due to rainfall periods. (There is no record that this peak month was influenced by any abnormal infiltration)	February	60,321

USED AND USEFUL CALCULATIONS

Wastewater Treatment Plant

Company: SSU / Pasco / Zephyr Shores

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-6
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide all calculations, analyses and governmental requirements used to determine the used and useful percentages for the wastewater treatment plant(s).

Recap Schedules: A-10,B-20

Line No.	Description	Zephyr Shores	
		(a)	
1	FDER Operating Permit No.	DO51-128892	
2	Permit Expiration Date	09/26/91	
3	Permitted Plant Capacity (GPD)	80,000	
4	Permitted Mode of Operation	C/S	
5	Method(s) of Effluent Disposal	River	
6	Permitted Effluent Disposal System Capacity (MGD)	33,500	
7	Other Limiting Plant Components:		
8			
9	FDER Warning Notice to Correct Consent Order No.	Yes	
10		OGC File No. 91-0996	
11	Month Max Flow Occurred	February	
12	Peak Flow For Year	60,321	
13	Beginning No. of ERC's	477	
14	Ending No. of ERC's	531	
15	Average No. of ERC's	504	
16	Usage Per ERC (GPD)	120	
17	Total Lots/ERC's Served By Mains Percentage (Accounts 382.4 and part of 353.4)	647	
	Used and Useful w/o Margin Reserve:		
18	Plant Used and Useful Percentage (Accounts 354,364,380,381,389.3 and 389.4)	75%	
19	Effluent Disposal Used and Useful Percentage (Accounts 382.4 and part of 353.4)	100%	[1]
20	Collection System Used and Useful (Accounts 353.2, 354.2, 360, 361, 363, 365.2, 366.2, 370.3 and 389.2)	100%	[2]
21	Margin Reserve Flow From Schedule F-8 Associated w/ 1.5 Years Growth:	11,525	
22	Margin Reserve Growth From Schedule F-8 Associated w/ 1.5 Years Growth:	96	
	Used & Useful With Margin Reserve:		
23	Plant Used and Useful Percentage (Accounts 354,364,380,381,389.3 and 389.4)	90%	
24	Effluent Disposal Used and Useful Percentage (Accounts 382.4 and part of 353.4)	100%	
25	Collection System Used and Useful (Accounts 353.2, 354.2, 360, 361, 363, 365.2, 366.2, 370.3 and 389.2)	100%	

[1] The Perc Ponds are of insufficient capacity and the Company has negotiated an arrangement with Pasco County for additional effluent disposal capacity.
 [2] Collection system 100% used and useful based on customer density.

USED AND USEFUL CALCULATIONS
Water Distribution and Wastewater Collection Systems

Company: SSU / Pasco / Zephyr Shores

FPSC

Docket No. 920199-WS
Test Year Ended: 12/31/91

Schedule F-7
Page 1 of 1
Preparer: G. Morse

Explanation: Provide all calculations, analyses and governmental requirements used to determine the used and useful percentages for the water distribution and wastewater collection systems. The capacity should be in terms of ability to serve a designated number of connections. It should then be related to actual connected density during the test year. If the distribution and collection systems are entirely contributed or built-out, this schedule is not required.

Recap Schedules: A-9,A-10,B-19,B-20
(See Schedules F-5 and F-6)

MARGIN RESERVE CALCULATIONS - SEWER

Company: SSU / Pasco / Zephyr Shores

FPSC

Docket No. 920199-WS
Test Year Ended: 12/31/91

Schedule F-8
Page 1 of 1
Preparer: G. Morse

Explanation: If a margin reserve is requested, provide all calculations and analyses used to determine the amount of margin reserve for each portion of used and useful plant.

Recap Schedules: F-5,F-6,F-7

Line No.	Description	Zephyr Shores
		(a)
1	Annual Growth From Schedule F-10	12.7%
2	Number Of ERC's Associated With 1.5 Years Growth	96
3	Average Number Of Test Year ERC's	504
4	Projected Number Of ERC's	600
5	Test Year Usage Per ERC For Max Mo.	120
6	ADF 1.5 Years Into Future	71,847

EQUIVALENT RESIDENTIAL CONNECTIONS - WASTEWATER

Company: SSU / Pasco / Zephyr Shores

FPSC

Docket No. 920199-WS
 Test Year Ended: 12/31/91

Schedule F-10
 Page 1 of 1
 Preparer: G. Morse

Explanation: Provide the following information in order to calculate the average growth in ERCs for the last five years, including the test year. If the utility does not have single-family residential (SFR) customers, the largest customer class should be used as a substitute.

Line No.	(1)	(3) ERCs		(4)	(5)	(6)	(7)	(8)	(9)
	Year	Beginning	Ending	Average	Gallons Treated	Gallons/ ERC (5)/(4)	Total Gallons Treated	Total ERCs (7)/(6)	Annual % Incr. in ERCs
1	1987	296.0	328.0	312.0	7,760,000	24,872	7,760,000	312.0	ERR
2	1988	328.0	370.0	349.0	9,585,800	27,466	9,585,800	349.0	11.9%
3	1989	370.0	435.0	402.5	9,410,000	23,379	9,410,000	402.5	15.3%
4	1990	435.0	477.0	456.0	10,498,000	23,022	10,498,000	456.0	13.3%
5	1991	477.0	531.0	504.0	10,836,000	21,500	10,836,000	504.0	10.5%
Average Growth Through 5-Year Period (Col. 8)									12.7%