

LAW OFFICES

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A PROFESSIONAL ASSOCIATION

FILE COPY

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2000 PALM BEACH LAKES BOULEVARD
WEST PALM BEACH, FLORIDA 33409
TELEPHONE (407) 640-0820
TELECOPIER (407) 640-8202

REPLY TO: Tallahassee

May 21, 1993

Mr. Steve Tribble, Director
Division of Records and Reporting
Florida Public Service Commission
101 East Gaines Street
Tallahassee, Florida 32399-0850

HAND DELIVERY

Re: FPSC Docket No. 920199-WS

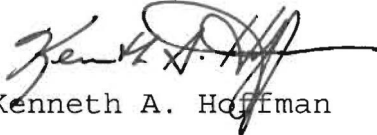
Dear Mr. Tribble:

On behalf of Southern States Utilities, Inc. ("SSU") enclosed for filing in the above-referenced docket is an original and fifteen copies SSU's Sixty (60) Day Status Report. The Report is Final Status of System Deficiencies per Final Rate Order in Docket N 920199-WS. This Second Status Reptot is submitted in accordance with Order No. PSC-0423-FOF-WS, at page 16, and relates to the quality of service items referenced in the Order.

ACK ✓
AFA ✓
APP ✓
CAF _____
CMU _____
CTR _____
EAG _____
LEG _____
LIN 3
OCC _____
RTR _____
SIR _____
WBS
OTH _____

Copies of this filing have been served on the parties of record in this docket pursuant to the attached certificate of service. Thank you for your assistance in processing this filing. Please contact me if you have any questions.

Sincerely,


Kenneth A. Hoffman

KAH/rl
Enclosures

cc: Brian P. Armstrong, Esq.
Parties of Record

RECEIVED & FILED

DOCUMENT NUMBER: DATE

05592 MAY 21 93

FPSC-RECORDS/REPORTING

FPSC-BUREAU OF RECORDS

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a copy of the foregoing Sixty (60) Day Status Report was furnished by U.S. Mail on this 21st day of May, 1993, to the following:

Harold McLean, Esq.
Office of Public Counsel
111 West Madison Street
Room 812
Tallahassee, FL 32399-1400

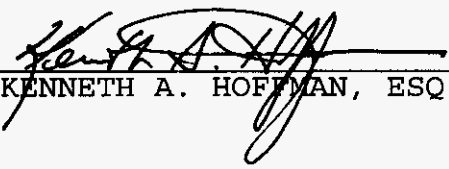
Michael Twomey, Esq.
Asst. Attorney General
Dept. of Legal Affairs
Room PL-01, The Capital
Tallahassee, FL 32399-1500

Matthew Feil, Esq.
Catherine Bedell, Esq.
Division of Legal Service
101 E. Gaines Street, Room 212
Tallahassee, FL 32399-0863

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107 N. Park Avenue
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MacFarlane Ferguson
P. O. Box 1531
Tampa, Florida 33601

Michael S. Mullin, Esq.
P. O. Box 1563
Fernandina Beach, FL 32034

By: 
KENNETH A. HOFFMAN, ESQ.

FILE COPY



STATUS OF SYSTEM
DEFICIENCIES
PER
FINAL RATE ORDER
IN
DOCKET NO. 920199-WS

REPORT NO. 2

MAY 21, 1993

3237

DOCUMENT NUMBER-DATE
05500

**STATUS OF WATER SYSTEM'S
DEFICIENCIES**

**REQUIRING EIGHT MONTH
RESPONSE**

DOCKET NO. 920199-WS

3238

1233

STATUS OF QUALITY OF SERVICE

System Name: Fox Run - Water

Status Report Date: 5/14/93

County: Marlin

Area of Resp.: Env. Services

I. Deficiency: Iron exceeds MCL

II. Corrective Action: Add additional iron filters.

III. Current Status: Problem corrected. See attached letter of April 15, 1993 requesting that Consent Order # 88-0722 be closed. Awaiting response from FDER. See attached final engineering report with lab test results.

IV. Estimated Completion Date: Project completed

Distribution:

Region Manager:
Area Supervisor:
Engineering:
Environmental Services:
Rates:
Operations Administration:

3239



General Offices

1000 Color Place
Apopka, FL 32703
(407) 880-0058

April 15, 1993

Ms. Pam Smith, P.E.
Florida Department of Environmental Regulation
1900 S. Congress Avenue, Suite A
West Palm Beach, Florida 33406

RE: Fox Run Water Plant
Consent Order 88-0722

Dear Ms. Smith:

Enclosed is the Final Engineering Report on the Fox Run Water Treatment Plant Iron Treatment Evaluation performed by Kimley-Horn and Associates, Inc. The plant is currently operating properly with effective iron treatment. No treatment modifications were recommended in the report.

Therefore, we respectfully request that Consent Order #88-0722 be closed.

SSU has installed iron filters, storage tanks, emergency generator, high service pumps, and a second well to meet and surpass DER regulations and County requirements. I believe we have resolved all concerns noted in the Consent Order, and we have cooperated in every way to meet your requirements and requests.

We will be glad to meet with you at the plant if you would like to inspect the facilities. Thank you for your cooperation in working with us to correct the concerns at this plant.

Sincerely,

Melvin E. Fisher
Environmental Compliance
Administrator

foxrun1

bc: Karla Teasley
Ralph Terrero
Chuck Wood
Bruce Paster
Jim Ragsdale
Sam Sparks
Tim Vanasdale
Catherine Walker
Mary Glennon

Southern States Utilities - Water for Florida's Future

1240

3240

HUTCHEON ENGINEERS

Division of Kimley-Horn

**FINAL
ENGINEERING REPORT
ON THE
FOX RUN WATER TREATMENT PLANT
IRON TREATMENT EVALUATION**

Kimley-Horn

ENGINEERS • PLANNERS • SURVEYORS

Anaheim • Charlotte • Dallas • Fort Lauderdale • Fort Myers • Nashville • Orlando
Phoenix • Raleigh • Stuart • Tampa • Vero Beach • Virginia Beach • West Palm Beach

Building client relationships since 1967

3241
1241

**FINAL
ENGINEERING REPORT
ON THE
FOX RUN WATER TREATMENT PLANT
IRON TREATMENT EVALUATION**

**Prepared For:
Southern States Utilities Services
1000 Color Place
Apopka, Florida**

**Prepared By:
Kimley-Horn and Associates, Inc.
4431 Embarcadero Drive
West Palm Beach, Florida
And
723 Colorado Avenue
Stuart, Florida**

**April 1993
(Revised)
5270.00**

©Kimley-Horn and Associates, Inc.

A large, stylized handwritten signature in black ink, located in the lower right quadrant of the page.

3242

1242

Introduction

The Fox Run Water Treatment Plant is currently under a consent order due to high iron concentration levels in its finish water. SSU Services retained Kimley-Horn and Associates to prepare this report with findings and recommendations.

Methodology

This report is a study to assess and make recommendations to improve iron treatment performance. The assessment is based solely on observations of actual site conditions, field testing, input from plant operators, existing data and well water quality analysis. The report is limited in scope to addressing the iron treatment issue only.

Site visit: A site visit was made on October 8, 1992 to meet and discuss the situation with SSU staff and become familiar with the plant. Plant photographs were taken and are included in the appendix.

Existing records: A visit was made to the DER office in West Palm Beach to review existing file information on the plant. The information was made available by Mr. Francisco Perez. Copies were made of some information and is included in the appendix

Filter Equipment: Telephone calls were made to Mr. Peter Petrie, manufacturer's representative for the filter equipment. A request was made for specific BIRM information but this information was not received. Records reviewed at the DER office contained some "O&M" information on the BIRM equipment and media that was useful. Mr. Petrie provided background information and general treatment suggestions over the phone.

Water Quality Data: The following water quality information was obtained and reviewed for this report:

- a) One well water sample was collected at each well by the SSU operator and water quality lab analysis results are included in the appendix.
- b) Finish water iron concentration analysis reported by SSU in 92/93. Lab analysis reports are in the appendix.

- c) The review of DER records revealed one water quality analysis on Well #2 taken February 7, 1991. This report is included in the appendix.
- d) During the October 8th site visit, a sample was drawn from each well to qualitatively detect hydrogen sulfide presence and make visual observations of the water quality.
- e) On November 18, 1992, field testing was performed on-site by Glen Miller with operator Lowell Polk and Tim Vanasdale.

Finish Water Quality

Samples have been taken by plant operators for lab analysis to determine iron concentrations in the finish water. The following Table 1 presents data on the iron concentration levels in the finish water.

Data indicates that January - July had high iron levels. July through September shows that treatment improved dramatically. As footnoted, on June 29th the operator modified the filter valve actuation setup. This resulted in improved backwashing. Reference is made to the section on "November 18th Field Testing" which discusses this in more detail.

Raw Water Quality

The following Table 2 present raw water quality information, relevant to performance of the BIRM system. Data obtained during the November 18th field testing is presented in that subsequent section of the report.

Table 2

	<u>Raw Water Quality</u>		<u>Remarks</u>
	<u>Well 1</u>	<u>Well 2</u>	
Iron, mg/l	2.2	0.6	10/23/92 Analysis
		0.273	2/7/91 Analysis
Hydrogen sulfide	no odor	strong	10/8/92 Site Visit
		1.01 mg/l	2/7/91 Analysis
		3.0 mg/l	Lowell Analysis 11/92
Dissolved Oxygen, mg/l			Refer to Nov 18 Section
pH	7.35	7.47	10/23/92 Analysis

November 18 Field Testing

Mr. Glen Miller of Kimley-Horn and Associates met on-site with operator Lowell Polk and Tim Vanasdale to perform on-site testing. Lowell had brought equipment to take field measurements of dissolved oxygen, hydrogen sulfide, iron and pH.

The first task was to observe and monitor the backwash operation to confirm that backwashing is adequate to clear the filters. Filters 9, 10, 11 and 12 were individually backwashed. Filters 9, 10 and 11 were last backwashed on 11/11/92 and Filter 12 on 11/12/92. Backwash water was directed to one of the three backwash basins. Color was observed as the water entered the basin. Also, flowrate and backwash pressure was measured. Filters 9, 10 and 11 all backwashed at a rate of 116 gallons per minute and a inlet pressure averaging 55 psi (range 50-60 psi). Iron color appeared in about 1 minute and cleared in about 10 minutes.

Then an important piece of information was discovered. Lowell mentioned that he had recently changed the setup of the automatic hydraulic valve actuation. On June 29, 1992 the change was made to disconnect the actuator drain tube from the backwash discharge pipe and operate the valves with water pressure from the hydrotank. The operator had been experiencing difficulty getting adequate backwashing and was wondering if connection of the tube to the backwash pipe was creating a backpressure and not allowing the valves to open or close properly. The result could be that some of the inlet water would bypass the filter and go direct to the backwash basin.

We then setup filter 12 to backwash the "old way" - we reconnected a tube to the backwash discharge pipe along with a pressure gauge to measure the back pressure. Backwashing of filter 12 was indeed appreciably affected. The backwash flow reduced from 116 gpm to 80 gpm. It took 3 minutes for color to appear at the basin. The lower flowrate had the flow of only 1 to 2 inches above the basin discharge pipe and so it was harder to visually observe when the color cleared. At the higher (116 gpm) flowrate, the flow was 8-10 inches above the pipe and the color was easy to see. We shut down the backwash of filter 12 when the basin was full. Lowell mentioned that it was common to stop the backwash operation because the backwash basin became filled.

After the backwash, we pulled the tube off the backwash discharge pipe and we could hear the inlet valve distinctly finish opening, meaning that the valve was only partially open and flow was bypassing the filters during backwash. Therefore, not only was the backwash flowrate (as measured at the flowmeter at the basins) reduced but less water was going through to backwash the filters.

Therefore, the "old" backwash setup that was subsequently corrected by Lowell on June 29th definitely hindered filter backwash. We checked Lowell's operator's log book and the new well (Well #2) has not been in service since June 29th. The following summarizes the backwash rates for the filters:

	<u>Backwash Rates (gpm)</u>		
	<u>Recomm.</u>	<u>Now</u>	<u>Before July</u>
Small Filter	35	46	N/A
Medium Filter	45	88	N/A
Large Filter	83	116	80
Measured 11/18/92 Using "Old" Setup			
Source: Tim Vanasdale/SSU October 1992			

After backwash was complete, we moved to test Well #1. Lab testing done by Flowers Lab and relayed to me by Tim Vanasdale had indicated no D.O. was measured. The lab used the Winkler method which will not measure D.O. levels below about 1.0 mg/l. We wanted to use a D.O. meter that was accurate below 1.1 mg/l and also test iron and H₂S. Table 3 shows the results.

<u>Table 3 - Well 1 Testing</u>		
	<u>Well 1 Test Results</u>	<u>Remarks</u>
D.O., mg/l	0.50 - 0.55	Sampling Done 11/18/92 YSI D.O. Meter
Iron, mg/l		
Test 1	3.5 mg/l	Hach, iron test kit used
Test 2	2.7 mg/l	
Test 3	<u>3.0 mg/l</u>	
Average	3.0 mg/l	
Hydrogen Sulfide		Hach, iron test kit used
Test 1	0.0 - 0.1	No color, 1 or 2 specks
Test 2	0.0	No marks on membrane

These results indicate that there is D.O. at Well #1 and it is about 15 to 18 percent of the iron concentrate which is acceptable for proper BIRM filter operation. Hydrogen sulfide does not appear to be present. Then we turned our attention to Well #2. We turned Well #2 on and waited about 15 minutes before we

started testing at the well. After well testing, we set up to test parameters before chlorination, before filters, and after filters. Table 4 presents the Well #2 test results.

Table 4
Well 2 Test Results (November 18, 1992)

	<u>D.O.</u> <u>(mg/l)</u>	<u>H2S</u> <u>(mg/l)</u>	<u>Fe</u> <u>(mg/l)</u>	<u>pH</u>	<u>Remarks</u>
Well #2	0.4	2.5-2.8	0.6	7.5-7.7	Sample Valve at Well
Before CLZ Inject.		1.5±			Sample Valve in Raw Pipeline west of Well 1
Before Filter	0.8*	0.0 (No Color)		6.9	Sampled at Inlet Valve Removed Pressure Gauge
After Filter			0.0-0.1 (No Color)		Sample Valve at Bottom of Filter

Notes:

Well #2 was run about 10-15 minutes before well samples taken and about 45 minutes before sampling at filters.

D.O. tested with YSI Model 51B D.O. meter (accuracy 0.2 mg/l, range 0-15 mg/l).
H2S tested with Hach field test kit with color chart. Two tests taken at well, one before C/2 and 1 before filter.

Iron tested with Hach test kit with color wheel. Tests repeated at least twice at each location to confirm.

pH tested with Hach test kit with color wheel. Test repeated at each location.

*D.O. test incomplete. Test had to be discontinued after 1-2 minutes because storage tank overflowed and well had to be stopped.

Results indicate that there is adequate D.O. for iron treatment and iron treatment was found to be effective. Also, the hydrogen sulfide is being effectively treated and is not present at the filter.

Assessment

On-site testing performed on November 18, 1992 and recent water quality data indicate that there is no longer an iron treatment problem at Fox Run. Data suggests that improper backwashing was causing iron treatment problems prior to July but this problem has been corrected.

The data suggests that prior to July, the automatic valves were not operating properly during backwashing and this was causing flow to bypass the filters, and low backwash flowrates. The result was that backwashing at the filters was inadequate and not lifting the beds sufficiently which resulted in iron buildup in the media. Since July, when this problem was corrected by the operator, the system has been performing well and achieving low iron levels.

Testing done on-site on November 18th and during December 1992 and January 1993 indicates that Well #2 achieves excellent iron treatment. Dissolved oxygen levels are adequate and hydrogen sulfide which is present at the well is effectively treated prior to the filters. Well #2 has significantly lower iron levels than well 1 and should obtain very low finish iron levels and will require less frequent backwashing to clear the deposited iron from the filters.

Finally, the pH level as shown above is satisfactory in both wells and within manufacture's recommended range for proper iron treatment. Therefore, pH adjustment is not recommended and would not benefit significantly iron treatment performance.

Since December 1, 1992, Fox Run has been using Well #2 in order to confirm the findings from the November 18, 1992 field testing. Results to date indicate that Well #2 is attaining acceptable iron treatment. Weekly lab results from Well #2 are shown in Table 1. Daily "test kit" iron readings have been taken by the operators and these have indicated low iron.

Recommendation

The plant is currently operating properly with effective iron treatment. No treatment modifications are recommended.

Table 1
Finish Water Iron Concentration (mg/l)

<u>Date</u>	<u>Well No. 1</u>	<u>Well No. 2</u>
01/16/92	0.639	
02/25/92	1.42 ⁽¹⁾	
03/20/92		0.189
04/08/92		0.661
05/28/92		0.943
06/18/92		0.41
07/27/92 ⁽²⁾	0.06	
08/25/92	0.08	
08/31/92	0.03	
09/07/92	0.07	
09/16/92	0.08	
09/24/92	0.33	
10/01/92	0.10	
10/07/92	0.08	
10/14/92	0.08	
10/21/92	1.09 (possible bad sample collection)	
10/29/92	0.15	
11/04/92	0.08	
11/11/92	0.60	
11/20/92	0.46	
12/03/92		0.03
12/10/92		0.05
12/17/92		0.07
12/22/92		0.05
01/07/93		0.03
01/14/93		0.08
01/22/93		0.27
01/28/93		0.10

TABLE 1 (Cont.)

⁽¹⁾Both wells operating as per T. Vanasdale 11/9/92.

⁽²⁾On June 29, 1992 operator Lowell Polk modified filter valve hydraulic actuation pressure source from backwash discharge pipe to hydrotank.

Source: SSU Services

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 443-1700
Public Water System Name: Fox Run
Public Water System Type (check one):
(x) Community () Non-community () Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: 86117
Parameter Groups(s) Analyzed: Secondary Chemical
Subcontracted Lab Certification Number (if any):

SAMPLE INFORMATION

Sample Date (MMDDYY): 11/ 4/ 92
Laboratory Sample Number: 13593
Sample Location (be specific): Point of Entry to Distribution System
Sample Type (check all applicable):
() Check () Regular Distribution () Composite
() Clearance () Maximum Residence Time (x) Plant Tap
() Raw () Well () Resample
() Special
Sampler Name, Title, Phone: Lowell Polk
Operator
(407) 334-5584

ANALYSIS INFORMATION

Extraction Date (MMDDYY):
Laboratory Contact: Michael A. Fiedor
Resample Requested? (check one): () Yes () No
ANALYSES SUBMITTED: Turbidity; Inorganic; Trihalomethane; Volatile Organic; Organic Chemical;
Secondary Chemical; Radiological; Unregulated Organic Purgible; Unregulated Organic Pesticide;
Unregulated Base Neutral Extractable; Unregulated Acid Extractable; (Check all analyses which apply.)

I do HEREBY CERTIFY that all data submitted are correct.

Signature: Michael A. Fiedor
Name: Michael A. Fiedor
Title: Director
Laboratory: Environmental Services of South Florida, Inc.
Date: 12/7/92

Mail Results to the
Appropriate DER or ACPHU Office:

DER/ACPHU Reviewing Official:

Samples were not collected by
Environmental Services personnel
and results represent samples as
received by Environmental Services

Sample Interpretation (check one)
() Satisfactory () Unsatisfactory

SECONDARY CHEMICAL ANALYSIS

17-550.320

(PWS031)

Parameter ID	NAME	Sample Number	Location Code	Analysis Result (mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
1016*	Calcium	_____	_____	_____	EPA 215.2	0.1	_____
1017	Chloride	_____	_____	_____	SM 407.A	1	_____
1019*	Carbonate CaCO ₃	_____	_____	_____	_____	_____	_____
1021*	Hydroxide CaCO ₃	_____	_____	_____	_____	_____	_____
1022	Copper	_____	_____	_____	EPA 220.1	0.001	_____
1023*	Bicarbonate CaCO ₃	_____	_____	_____	_____	_____	_____
1025	Fluoride--Please enter as a primary on screen PWS030						
1026*	Bicarbonate HCO ₃	_____	_____	_____	_____	_____	_____
1027*	Hydrogen Sulfide	_____	_____	_____	_____	_____	_____
1028	Iron	13593	_____	0.08	EPA 236.1	0.01	12/4/92
1031*	Magnesium	_____	_____	_____	EPA 242.1	1.0	_____
1032	Manganese	_____	_____	_____	EPA 243.1	0.001	_____
1055	Sulfate	_____	_____	_____	EPA 375.4	5	_____
1095	Zinc	_____	_____	_____	EPA 289.1	0.001	_____
1901	Carbon Dioxide	_____	_____	_____	SM 406 C	1.0	_____
1905	Color (color units)	_____	_____	_____	EPA 110.2	5	_____
1915*	Total Hardness	_____	_____	_____	EPA 130.2	2.0	_____
1917*	NCH as CaCO ₃	_____	_____	_____	_____	no odor	_____
1920	Odor (total odor number)	_____	_____	_____	EPA 140.1	observed	_____

Comments:

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 443-1700
Public Water System Name: Fox Run
Public Water System Type (check one):
(X) Community () Non-community () Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: 86117
Parameter Groups(s) Analyzed: Secondary chemical
Subcontracted Lab Certification Number (if any):

SAMPLE INFORMATION

Sample Date (MMDDYY): 11/11/92
Laboratory Sample Number: 13603
Sample Location (be specific): Point of Entry to Distribution System
Sample Type (check all applicable):
() Check () Regular Distribution () Composite
() Clearance () Maximum Residence Time (X) Plant Tap
() Raw () Well () Resample
() Special
Sampler Name, Title, Phone: Lowell Polk
Operator
(407) 334-5584

ANALYSIS INFORMATION

Extraction Date (MMDDYY):
Laboratory Contact: Michael A. Fiedor
Resample Requested? (check one): () Yes () No
ANALYSES SUBMITTED: Turbidity; Inorganic; Trihalomethane; Volatile Organic; Organic Chemical;
Secondary Chemical; Radiological; Unregulated Organic Purgeable; Unregulated Organic Pesticide;
Unregulated Base Neutral Extractable; Unregulated Acid Extractable; (Check all analyses which apply.)

I do HEREBY CERTIFY that all data submitted are correct.

Signature: Michael A. Fiedor
Name: Michael A. Fiedor
Title: Director

Mail Results to the
Appropriate DER or ACPHU Office:

Laboratory: Environmental Services of South Florida, Inc.

Date: 12/7/92

DER/ACPHU Reviewing Official:

Samples were not collected by
Environmental Services personnel
and results represent samples as
received by Environmental Services

Sample Interpretation (check one)
() Satisfactory () Unsatisfactory

SECONDARY CHEMICAL ANALYSIS

17-550.320.

(PWS031)

Parameter ID	NAME	Sample Number	Location Code	Analysis Result (mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
1016*	Calcium	_____	_____	_____	EPA 215.2	0.1	_____
1017	Chloride	_____	_____	_____	SM 407 A	1	_____
1019*	Carbonate CaCO ₃	_____	_____	_____	_____	_____	_____
1021*	Hydroxide CaCO ₃	_____	_____	_____	_____	_____	_____
1022	Copper	_____	_____	_____	EPA 220.1	0.001	_____
1023*	Bicarbonate CaCO ₃	_____	_____	_____	_____	_____	_____
1025	Fluoride--Please enter as a primary on screen PWS030						
1026*	Bicarbonate HCO ₃	_____	_____	_____	_____	_____	_____
1027*	Hydrogen Sulfide	_____	_____	_____	_____	_____	_____
1028	Iron	<u>13603</u>	_____	<u>0.60</u>	EPA 236.1	0.01	<u>12/4/92</u>
1031*	Magnesium	_____	_____	_____	EPA 242.1	1.0	_____
1032	Manganese	_____	_____	_____	EPA 243.1	0.001	_____
1055	Sulfate	_____	_____	_____	EPA 375.4	5	_____
1095	Zinc	_____	_____	_____	EPA 289.1	0.001	_____
1901	Carbon Dioxide	_____	_____	_____	SM 406 C	1.0	_____
1905	Color (color units)	_____	_____	_____	EPA 110.2	5	_____
1915*	Total Hardness	_____	_____	_____	EPA 130.2	2.0	_____
1917*	NCH as CaCO ₃	_____	_____	_____	_____	no odor	_____
1920	Odor (total odor number)	_____	_____	_____	EPA 140.1	observed	_____

Comments:

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 443-1700
Public Water System Name: Fox Run
Public Water System Type (check one):
(x) Community () Non-community () Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: 86117
Parameter Groups(s) Analyzed: Secondary Chemical
Subcontracted Lab Certification Number (if any):

SAMPLE INFORMATION

Sample Date (MMDDYY): 11/20/92
Laboratory Sample Number: 13636
Sample Location (be specific): Point of Entry to Distribution System
Sample Type (check all applicable):
() Check () Regular Distribution () Composite
() Clearance () Maximum Residence Time (x) Plant Tap
() Raw () Well () Resample
() Special
Sampler Name, Title, Phone: Lowell Polk
Operator
(407) 334-5584

ANALYSIS INFORMATION

Extraction Date (MMDDYY):
Laboratory Contact: Michael A. Fiedor
Resample Requested? (check one): () Yes () No
ANALYSES SUBMITTED: Turbidity; Inorganic; Trihalomethane; Volatile Organic; Organic Chemical;
Secondary Chemical; Radiological; Unregulated Organic Purgeable; Unregulated Organic Pesticide;
Unregulated Base Neutral Extractable; Unregulated Acid Extractable; (Check all analyses which apply.)

I do HEREBY CERTIFY that all data submitted are correct.

Signature Michael A. Fiedor
Name Michael A. Fiedor
Title Director
Laboratory Environmental Services of South Florida, Inc.
Date 12/7/92

Mail Results to the
Appropriate DER or ACPHU Office:

DER/ACPHU Reviewing Official:

Samples were not collected by
Environmental Services personnel
and results represent samples as
received by Environmental Services

Sample Interpretation (check one)
() Satisfactory () Unsatisfactory

SECONDARY CHEMICAL ANALYSIS

17-550.320

(PWS031)

Parameter ID	NAME	Sample Number	Location Code	Analysis Result (mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
1016*	Calcium	_____	_____	_____	EPA 215.2	0.1	_____
1017	Chloride	_____	_____	_____	SM 407 A	1	_____
1019*	Carbonate CaCO ₃	_____	_____	_____	_____	_____	_____
1021*	Hydroxide CaCO ₃	_____	_____	_____	_____	_____	_____
1022	Copper	_____	_____	_____	EPA 220.1	0.001	_____
1023*	Bicarbonate CaCO ₃	_____	_____	_____	_____	_____	_____
1025	Fluoride--Please enter as a primary on screen PWS030						
1026*	Bicarbonate HCO ₃	_____	_____	_____	_____	_____	_____
1027*	Hydrogen Sulfide	_____	_____	_____	_____	_____	_____
1028	Iron	13636	_____	0.46	EPA 236.1	0.01	12/4/92
1031*	Magnesium	_____	_____	_____	EPA 242.1	1.0	_____
1032	Manganese	_____	_____	_____	EPA 243.1	0.001	_____
1055	Sulfate	_____	_____	_____	EPA 375.4	5	_____
1095	Zinc	_____	_____	_____	EPA 289.1	0.001	_____
1901	Carbon Dioxide	_____	_____	_____	SM 406 C	1.0	_____
1905	Color (color units)	_____	_____	_____	EPA 110.2	5	_____
1915*	Total Hardness	_____	_____	_____	EPA 130.2	2.0	_____
1917*	NCH as CaCO ₃	_____	_____	_____	_____	no odor	_____
1920	Odor (total odor number)	_____	_____	_____	EPA 140.1	observed	_____

Comments:

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 443-1700
Public Water System Name: Fox Run
Public Water System Type (check one):
(x) Community () Non-community () Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: 86117
Parameter Groups(s) Analyzed: Secondary Chemical
Subcontracted Lab Certification Number (if any):

SAMPLE INFORMATION

Sample Date (MMDDYY): 12/ 3/ 92
Laboratory Sample Number: 13648
Sample Location (be specific): Entry Point to Distribution
Sample Type (check all applicable):
() Check () Regular Distribution () Composite
() Clearance () Maximum Residence Time (x) Plant Tap
() Raw () Well () Resample
() Special

Sampler Name, Title, Phone: Lowell Polk
Operator
(407) 334-5584

ANALYSIS INFORMATION

Extraction Date (MMDDYY):
Laboratory Contact: Michael A. Fiedor
Resample Requested? (check one): () Yes () No
ANALYSES SUBMITTED: Turbidity; Inorganic; Trihalomethane; Volatile Organic; Organic Chemical;
Secondary Chemical; Radiological; Unregulated Organic Purgeable; Unregulated Organic Pesticide;
Unregulated Base Neutral Extractable; Unregulated Acid Extractable; (Check all analyses which apply.)

I do HEREBY CERTIFY that all data submitted are correct.

Signature
Name Michael A. Fiedor
Title Director
Laboratory Environmental Services of South Florida, Inc.
Date 12/23/92

Mail Results to the
Appropriate DER or ACPHU Office:

DER/ACPHU Reviewing Official:

Sample Interpretation (check one)
() Satisfactory () Unsatisfactory

SECONDARY CHEMICAL ANALYSIS

17-550.320
(PWS031)

Parameter ID	NAME	Sample' Location Number Code	Analysis Result (mg/l)	Analytical Method	Det. Lt. Uscd	Analysis Date
1016*	Calcium	_____	_____	EPA 215.2	0.1	_____
1017	Chloride	_____	_____	SM 407 A	1	_____
1019*	Carbonate CaCO ₃	_____	_____	_____	_____	_____
1021*	Hydroxide CaCO ₃	_____	_____	_____	_____	_____
1022	Copper	_____	_____	EPA 220.1	0.001	_____
1023*	Bicarbonate CaCO ₃	_____	_____	_____	_____	_____
1025	Fluoride--Please enter as a primary on screen PWS030					
1026*	Bicarbonate HCO ₃	_____	_____	_____	_____	_____
1027*	Hydrogen Sulfide	_____	_____	_____	_____	_____
1028	Iron	13648	0.03	EPA 236.1	0.01	12/21/92
1031*	Magnesium	_____	_____	EPA 242.1	1.0	_____
1032	Manganese	_____	_____	EPA 243.1	0.001	_____
1055	Sulfate	_____	_____	EPA 375.4	5	_____
1095	Zinc	_____	_____	EPA 289.1	0.001	_____
1901	Carbon Dioxide	_____	_____	SM 406 C	1.0	_____
1905	Color (color units)	_____	_____	EPA 110.2	5	_____
1915*	Total Hardness	_____	_____	EPA 130.2	2.0	_____
1917*	NCH as CaCO ₃	_____	_____	_____	no odor	_____
1920	Odor (total odor number)	_____	_____	EPA 140.1	observed	_____

Comments:

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 443-1700
Public Water System Name: Fox Run
Public Water System Type (check one):
(x) Community () Non-community () Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: 86117
Parameter Groups(s) Analyzed: Secondary Chemical
Subcontracted Lab Certification Number (if any):

SAMPLE INFORMATION

Sample Date (MMDDYY): 12/10/92
Laboratory Sample Number: 13656
Sample Location (be specific): Point of Entry to Distribution
Sample Type (check all applicable):
() Check () Regular Distribution () Composite
() Clearance () Maximum Residence Time (x) Plant Tap
() Raw () Well () Resample
() Special
Sampler Name, Title, Phone: Lowell Polk
Operator
(407) 334-5584

ANALYSIS INFORMATION

Extraction Date (MMDDYY):
Laboratory Contact: Michael A. Fiedor
Resample Requested? (check one): () Yes () No
ANALYSES SUBMITTED: Turbidity; Inorganic; Trihalomethane; Volatile Organic; Organic Chemical;
Secondary Chemical; Radiological; Unregulated Organic Purgable; Unregulated Organic Pesticide;
Unregulated Base Neutral Extractable; Unregulated Acid Extractable; (Check all analyses which apply.)

I do HEREBY CERTIFY that all data submitted are correct.

Signature
Name Michael A. Fiedor
Title Director
Laboratory Environmental Services of South Florida, Inc.
Date 12/23/92

Mail Results to the
Appropriate DER or ACPHU Office:

DER/ACPHU Reviewing Official:

Sample Interpretation (check one)
() Satisfactory () Unsatisfactory

SECONDARY CHEMICAL ANALYSIS

17-550.320

(PWS031)

Parameter ID	NAME	Sample Number	Location Code	Analysis Result (mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
1016*	Calcium	_____	_____	_____	EPA 215.2	0.1	_____
1017	Chloride	_____	_____	_____	SM 407 A	1	_____
1019*	Carbonate CaCO ₃	_____	_____	_____	_____	_____	_____
1021*	Hydroxide CaCO ₃	_____	_____	_____	_____	_____	_____
1022	Copper	_____	_____	_____	EPA 220.1	0.001	_____
1023*	Bicarbonate CaCO ₃	_____	_____	_____	_____	_____	_____
1025	Fluoride--Please enter as a primary on screen PWS030						
1026*	Bicarbonate HCO ₃	_____	_____	_____	_____	_____	_____
1027*	Hydrogen Sulfide	_____	_____	_____	_____	_____	_____
1028	Iron	13656	_____	0.05	EPA 236.1	0.01	12/21/92
1031*	Magnesium	_____	_____	_____	EPA 242.1	1.0	_____
1032	Manganese	_____	_____	_____	EPA 243.1	0.001	_____
1055	Sulfate	_____	_____	_____	EPA 375.4	5	_____
1095	Zinc	_____	_____	_____	EPA 289.1	0.001	_____
1901	Carbon Dioxide	_____	_____	_____	SM 406 C	1.0	_____
1905	Color (color units)	_____	_____	_____	EPA 110.2	5	_____
1915*	Total Hardness	_____	_____	_____	EPA 130.2	2.0	_____
1917*	NCH as CaCO ₃	_____	_____	_____	_____	no odor	_____
1920	Odor (total odor number)	_____	_____	_____	EPA 140.1	observed	_____

Comments:

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 443-1700
Public Water System Name: Fox Run
Public Water System Type (check one):
(X) Community () Non-community () Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: 86117
Parameter Groups(s) Analyzed: Secondary Chemical
Subcontracted Lab Certification Number (if any):

SAMPLE INFORMATION

Sample Date (MMDDYY): 12 / 17 / 92
Laboratory Sample Number: 13675
Sample Location (be specific): Entry Point to Distribution System
Sample Type (check all applicable):
() Check () Regular Distribution () Composite
() Clearance () Maximum Residence Time (X) Plant Tap
() Raw () Well () Resample
() Special

Sampler Name, Title, Phone: Lowell Polk
Operator
(407) 334-5584

ANALYSIS INFORMATION

Extraction Date (MMDDYY):
Laboratory Contact: Michael A. Fiedor
Resample Requested? (check one): () Yes () No
ANALYSES SUBMITTED: Turbidity; Inorganic; Trihalomethane; Volatile Organic; Organic Chemical;
Secondary Chemical; Radiological; Unregulated Organic Purgeable; Unregulated Organic Pesticide;
Unregulated Base Neutral Extractable; Unregulated Acid Extractable; (Check all analyses which apply.)

I do HEREBY CERTIFY that all data submitted are correct.

Signature Michael A. Fiedor
Name Michael A. Fiedor
Title Director

Mail Results to the
Appropriate DER or ACPHU Office:

Laboratory Environmental Services of South Florida, Inc.

Date 1/6/93

DER/ACPHU Reviewing Official:

Samples were not collected by
Environmental Services personnel
and results represent samples as
received by Environmental Services

Sample Interpretation (check one)
() Satisfactory () Unsatisfactory

SECONDARY CHEMICAL ANALYSIS

17-550.320

(PWS031)

Parameter ID	NAME	Sample' Location Number Code	Analysis Result (mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
1016*	Calcium	_____	_____	EPA 215.2	0.1	_____
1017	Chloride	_____	_____	SM 407 A	1	_____
1019*	Carbonate CaCO ₃	_____	_____	_____	_____	_____
1021*	Hydroxide CaCO ₃	_____	_____	_____	_____	_____
1022	Copper	_____	_____	EPA 220.1	0.001	_____
1023*	Bicarbonate CaCO ₃	_____	_____	_____	_____	_____
1025	Fluoride--Please enter as a primary on screen PWS030					
1026*	Bicarbonate HCO ₃	_____	_____	_____	_____	_____
1027*	Hydrogen Sulfide	_____	_____	_____	_____	_____
1028	Iron	13675	0.07	EPA 236.1	0.01	1/5/93
1031*	Magnesium	_____	_____	EPA 242.1	1.0	_____
1032	Manganese	_____	_____	EPA 243.1	0.001	_____
1055	Sulfate	_____	_____	EPA 375.4	5	_____
1095	Zinc	_____	_____	EPA 289.1	0.001	_____
1901	Carbon Dioxide	_____	_____	SM 406 C	1.0	_____
1905	Color (color units)	_____	_____	EPA 110.2	5	_____
1915*	Total Hardness	_____	_____	EPA 130.2	2.0	_____
1917*	NCH as CaCO ₃	_____	_____	_____	no odor	_____
1920	Odor (total odor number)	_____	_____	EPA 140.1	observed	_____

Comments:

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 443-1700
Public Water System Name: Fox Run
Public Water System Type (check one):
(x) Community () Non-community () Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: 86117
Parameter Groups(s) Analyzed: Secondary Chemical
Subcontracted Lab Certification Number (if any):

SAMPLE INFORMATION

Sample Date (MMDDYY): 12/22/92
Laboratory Sample Number: 13702
Sample Location (be specific): Entry Point to Distribution System
Sample Type (check all applicable):
() Check () Regular Distribution () Composite
() Clearance () Maximum Residence Time (x) Plant Tap
() Raw () Well () Resample
() Special
Sampler Name, Title, Phone: Lowell Polk
Operator
(407) 334-5584

ANALYSIS INFORMATION

Extraction Date (MMDDYY):
Laboratory Contact: Michael A. Fiedor
Resample Requested? (check one): () Yes () No
ANALYSES SUBMITTED: Turbidity; Inorganic; Trihalomethane; Volatile Organic; Organic Chemical;
Secondary Chemical; Radiological; Unregulated Organic Purgeable; Unregulated Organic Pesticide;
Unregulated Base Neutral Extractable; Unregulated Acid Extractable; (Check all analyses which apply.)

I do HEREBY CERTIFY that all data submitted are correct.

Signature: Michael A. Fiedor
Name: Michael A. Fiedor
Title: Director

Mail Results to the
Appropriate DER or ACPHU Office:

Laboratory: Environmental Services of South Florida, Inc.

Date: 1/6/93

DER/ACPHU Reviewing Official:

Samples were not collected by
Environmental Services personnel
and results represent samples as
received by Environmental Services

Sample Interpretation (check one)
() Satisfactory () Unsatisfactory

SECONDARY CHEMICAL ANALYSIS

17-550.320
(PWS031)

Parameter ID	NAME	Sample Number	Location Code	Analysis Result (mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
1016*	Calcium	_____	_____	_____	EPA 215.2	0.1	_____
1017	Chloride	_____	_____	_____	SM 407 A	1	_____
1019*	Carbonate CaCO ₃	_____	_____	_____	_____	_____	_____
1021*	Hydroxide CaCO ₃	_____	_____	_____	_____	_____	_____
1022	Copper	_____	_____	_____	EPA 220.1	0.001	_____
1023*	Bicarbonate CaCO ₃	_____	_____	_____	_____	_____	_____
1025	Fluoride--Please enter as a primary on screen PWS030						
1026*	Bicarbonate HCO ₃	_____	_____	_____	_____	_____	_____
1027*	Hydrogen Sulfide	_____	_____	_____	_____	_____	_____
1028	Iron	13702	_____	0.05	EPA 236.1	0.01	1/5/93
1031*	Magnesium	_____	_____	_____	EPA 242.1	1.0	_____
1032	Manganese	_____	_____	_____	EPA 243.1	0.001	_____
1055	Sulfate	_____	_____	_____	EPA 375.4	5	_____
1095	Zinc	_____	_____	_____	EPA 289.1	0.001	_____
1901	Carbon Dioxide	_____	_____	_____	SM 406 C	1.0	_____
1905	Color (color units)	_____	_____	_____	EPA 110.2	5	_____
1915*	Total Hardness	_____	_____	_____	EPA 130.2	2.0	_____
1917*	NCH as CaCO ₃	_____	_____	_____	_____	no odor	_____
1920	Odor (total odor number)	_____	_____	_____	EPA 140.1	observed	_____

Comments:

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 443-1700
Public Water System Name: Fox Run
Public Water System Type (check one)
(x) Community () Non-community () Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: 36117
Parameter Group(s) Analyzed: Secondary Chemical
Subcontracted Lab Certification Number (if any):

SAMPLE INFORMATION

Sample Date (MMDDYY): 1/7/93
Laboratory Sample Number: 13758
Sample Location (be specific): Entry Point to Distribution System
Sample Type (check all applicable):
() Check () Regular Distribution () Composite
() Clearance () Maximum Residence Time (x) Plant Tap
() Raw () Well () Resample
() Special

Sampler Name, Title, Phone: Lowell Polk
Operator
(407) 334-5584

ANALYSIS INFORMATION

Extraction Date (MMDDYY):
Laboratory Contact: Michael A. Fiedor
Resample Requested? (check one): () Yes () No
ANALYSES SUBMITTED: Turbidity; Inorganic; Trihalomethane; Volatile Organic; Organic Chemical;
Secondary Chemical; Radiological; Unregulated Organic Purgible; Unregulated Organic Pesticide;
Unregulated Base Neutral Extractable; Unregulated Acid Extractable; (Check all analyses which apply.)

I do HEREBY CERTIFY that all data submitted are correct.

Signature Michael A. Fiedor
Name Michael A. Fiedor
Title Director
Laboratory Environmental Services of South Florida, Inc.
Date 1/18/93

Mail Results to the
Appropriate DER or ACPHU Office:

DER/ACPHU Reviewing Official:

Samples were not collected by
Environmental Services personnel
and results represent samples as
received by Environmental Services

Sample Interpretation (check one)
() Satisfactory () Unsatisfactory

SECONDARY CHEMICAL ANALYSIS

17-550.320

(PWS031)

Parameter ID	NAME	Sample Number	Location Code	Analysis Result (mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
1016*	Calcium	_____	_____	_____	EPA 215.2	0.1	_____
1017	Chloride	_____	_____	_____	SM 407.A	1	_____
1019*	Carbonate CaCO ₃	_____	_____	_____	_____	_____	_____
1021*	Hydroxide CaCO ₃	_____	_____	_____	_____	_____	_____
1022	Copper	_____	_____	_____	EPA 220.1	0.001	_____
1023*	Bicarbonate CaCO ₃	_____	_____	_____	_____	_____	_____
1025	Fluoride--Please enter as a primary on screen PWS030						
1026*	Bicarbonate HCO ₃	_____	_____	_____	_____	_____	_____
1027*	Hydrogen Sulfide	_____	_____	_____	_____	_____	_____
1028	Iron	13758	_____	0.03	EPA 236.1	0.01	1/15/93
1031*	Magnesium	_____	_____	_____	EPA 242.1	1.0	_____
1032	Manganese	_____	_____	_____	EPA 243.1	0.001	_____
1055	Sulfate	_____	_____	_____	EPA 375.4	5	_____
1095	Zinc	_____	_____	_____	EPA 289.1	0.001	_____
1901	Carbon Dioxide	_____	_____	_____	SM 406.C	1.0	_____
1905	Color (color units)	_____	_____	_____	EPA 110.2	5	_____
1915*	Total Hardness	_____	_____	_____	EPA 130.2	2.0	_____
1917*	NCH as CaCO ₃	_____	_____	_____	_____	no odor	_____
1920	Odor (total odor number)	_____	_____	_____	EPA 140.1	observed	_____

Comments:

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: _____
Public Water System Name: Fox Run
Public Water System Type (check one):
 Community Non-community Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: 86117
Parameter Groups(s) Analyzed: Secondary Chemical
Subcontracted Lab Certification Number (if any): _____

SAMPLE INFORMATION

Sample Date (MMDDYY): 1 / 14 / 93
Laboratory Sample Number: 13771
Sample Location (be specific): Entry Point to Distribution System
Sample Type (check all applicable):
 Check Regular Distribution Composite
 Clearance Maximum Residence Time Plant Tap
 Raw Well Resample
 Special
Sampler Name, Title, Phone: Lowell Polk
Operator
(407) 334-5584

ANALYSIS INFORMATION

Extraction Date (MMDDYY): / /
Laboratory Contact: Michael A. Fiedor
Resample Requested? (check one): Yes No
ANALYSES SUBMITTED: Turbidity___; Inorganic___; Trihalomethane___; Volatile Organic___; Organic Chemical___;
Secondary Chemical___; Radiological___; Unregulated Organic Purgeable___; Unregulated Organic Pesticide___;
Unregulated Base Neutral Extractable___; Unregulated Acid Extractable___; (Check all analyses which apply.)

I do HEREBY CERTIFY that all data submitted are correct.

Signature Michael A. Fiedor
Name Michael A. Fiedor
Title Director

Mail Results to the
Appropriate DER or ACPHU Office:

Laboratory Environmental Services of South Florida, Inc.

Date 2/5/93

DER/ACPHU Reviewing Official:

Samples were not collected by
Environmental Services personnel
and results represent samples as
received by Environmental Services

Sample Interpretation (check one)
 Satisfactory Unsatisfactory

SECONDARY CHEMICAL ANALYSIS

17-550.320

(PWS031)

Parameter ID	NAME	Sample' Location Number Code	Analysis Result (mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
1016*	Calcium	_____	_____	EPA 215.2	0.1	_____
1017	Chloride	_____	_____	SM 407 A	1	_____
1019*	Carbonate CaCO ₃	_____	_____	_____	_____	_____
1021*	Hydroxide CaCO ₃	_____	_____	_____	_____	_____
1022	Copper	_____	_____	EPA 220.1	0.001	_____
1023*	Bicarbonate CaCO ₃	_____	_____	_____	_____	_____
1025	Fluoride--Please enter as a primary on screen PWS030					
1026*	Bicarbonate HCO ₃	_____	_____	_____	_____	_____
1027*	Hydrogen Sulfide	_____	_____	_____	_____	_____
1028	Iron	13771	0.08	EPA 236.1	0.01	2/3/93
1031*	Magnesium	_____	_____	EPA 242.1	1.0	_____
1032	Manganese	_____	_____	EPA 243.1	0.001	_____
1055	Sulfate	_____	_____	EPA 375.4	5	_____
1095	Zinc	_____	_____	EPA 289.1	0.001	_____
1901	Carbon Dioxide	_____	_____	SM 406 C	1.0	_____
1905	Color (color units)	_____	_____	EPA 110.2	5	_____
1915*	Total Hardness	_____	_____	EPA 130.2	2.0	_____
1917*	NCH as CaCO ₃	_____	_____	_____	no odor	_____
1920	Odor (total odor number)	_____	_____	EPA 140.1	observed	_____

Comments:

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: _____
Public Water System Name: Fox Run
Public Water System Type (check one):
 Community Non-community Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: 86117
Parameter Groups(s) Analyzed: Secondary Chemical
Subcontracted Lab Certification Number (if any): _____

SAMPLE INFORMATION

Sample Date (MMDDYY): 1/22/93
Laboratory Sample Number: 13785
Sample Location (be specific): Entry Point to Distribution System
Sample Type (check all applicable):
 Check Regular Distribution Composite
 Clearance Maximum Residence Time Plant Tap
 Raw Well Resample
 Special

Sampler Name, Title, Phone: Lowell Polk
Operator
(407) 334-5584

ANALYSIS INFORMATION

Extraction Date (MMDDYY): / /
Laboratory Contact: Michael A. Fiedor
Resample Requested? (check one): Yes No

ANALYSES SUBMITTED: Turbidity___; Inorganic___; Trihalomethane___; Volatile Organic___; Organic Chemical___;
Secondary Chemical___; Radiological___; Unregulated Organic Purgeable___; Unregulated Organic Pesticide___;
Unregulated Base Neutral Extractable___; Unregulated Acid Extractable___; (Check all analyses which apply.)

I do HEREBY CERTIFY that all data submitted are correct.

Signature Michael A. Fiedor
Name Michael A. Fiedor
Title Director

Mail Results to: the
Appropriate DER or ACPHU Office:

Laboratory Environmental Services of South Florida, Inc.

Date 2/5/93

DER/ACPHU Reviewing Official:

Samples were not collected by
Environmental Services personnel
and results represent samples as
received by Environmental Services

Sample Interpretation (check one)
 Satisfactory Unsatisfactory

SECONDARY CHEMICAL ANALYSIS

17-550.320

(PWS031)

Parameter ID	NAME	Sample Number	Location Code	Analysis Result (mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
1016*	Calcium	_____	_____	_____	EPA 215.2	0.1	_____
1017	Chloride	_____	_____	_____	SM 407 A	1	_____
1019*	Carbonate CaCO ₃	_____	_____	_____	_____	_____	_____
1021*	Hydroxide CaCO ₃	_____	_____	_____	_____	_____	_____
1022	Copper	_____	_____	_____	EPA 220.1	0.001	_____
1023*	Bicarbonate CaCO ₃	_____	_____	_____	_____	_____	_____
1025	Fluoride--Please enter as a primary on screen PWS030						
1026*	Bicarbonate HCO ₃	_____	_____	_____	_____	_____	_____
1027*	Hydrogen Sulfide	_____	_____	_____	_____	_____	_____
1028	Iron	13785	_____	0.27	EPA 236.1	0.01	2/3/93
1031*	Magnesium	_____	_____	_____	EPA 242.1	1.0	_____
1032	Manganese	_____	_____	_____	EPA 243.1	0.001	_____
1055	Sulfate	_____	_____	_____	EPA 375.4	5	_____
1095	Zinc	_____	_____	_____	EPA 289.1	0.001	_____
1901	Carbon Dioxide	_____	_____	_____	SM 406 C	1.0	_____
1905	Color (color units)	_____	_____	_____	EPA 110.2	5	_____
1915*	Total Hardness	_____	_____	_____	EPA 130.2	2.0	_____
1917*	NCH as CaCO ₃	_____	_____	_____	_____	no odor	_____
1920	Odor (total odor number)	_____	_____	_____	EPA 140.1	observed	_____

Comments:

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: _____
Public Water System Name: Fox Run
Public Water System Type (check one):
 Community Non-community Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: 86117
Parameter Groups(s) Analyzed: Secondary Chemical
Subcontracted Lab Certification Number (if any): _____

SAMPLE INFORMATION

Sample Date (MMDDYY): 1 / 28 / 93
Laboratory Sample Number: 13787
Sample Location (be specific): Entry Point to Distribution System
Sample Type (check all applicable):
 Check Regular Distribution Composite
 Clearance Maximum Residence Time Plant Tap
 Raw Well Resample
 Special
Sampler Name, Title, Phone: Lowell Polk
Operator
(407) 334-5584

ANALYSIS INFORMATION

Extraction Date (MMDDYY): / /
Laboratory Contact: Michael A. Fiedor
Resample Requested? (check one): Yes No
ANALYSES SUBMITTED: Turbidity___; Inorganic___; Trihalomethane___; Volatile Organic___; Organic Chemical___;
Secondary Chemical___; Radiological___; Unregulated Organic Purgeable___; Unregulated Organic Pesticide___;
Unregulated Base Neutral Extractable___; Unregulated Acid Extractable___; (Check all analyses which apply.)

I do HEREBY CERTIFY that all data submitted are correct.

Signature Michael A. Fiedor
Name Michael A. Fiedor
Title Director
Laboratory Environmental Services of South Florida, Inc.
Date 2/5/93

Mail Results to the
Appropriate DER or ACPHU Office:

DER/ACPHU Reviewing Official:

Samples were not collected by
Environmental Services personnel
and results represent samples as
received by Environmental Services

Sample Interpretation (check one)
 Satisfactory Unsatisfactory

SECONDARY CHEMICAL ANALYSIS

17-550.320

(PWS031)

Parameter ID	NAME	Sample Number	Location Code	Analysis Result (mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
1016*	Calcium	_____	_____	_____	EPA 215.2	0.1	_____
1017	Chloride	_____	_____	_____	SM 407 A	1	_____
1019*	Carbonate CaCO ₃	_____	_____	_____	_____	_____	_____
1021*	Hydroxide CaCO ₃	_____	_____	_____	_____	_____	_____
1022	Copper	_____	_____	_____	EPA 220.1	0.001	_____
1023*	Bicarbonate CaCO ₃	_____	_____	_____	_____	_____	_____
1025	Fluoride--Please enter as a primary on screen PWS030						
1026*	Bicarbonate HCO ₃	_____	_____	_____	_____	_____	_____
1027*	Hydrogen Sulfide	_____	_____	_____	_____	_____	_____
1028	Iron	13787	_____	0.10	EPA 236.1	0.01	2/3/93
1031*	Magnesium	_____	_____	_____	EPA 242.1	1.0	_____
1032	Manganese	_____	_____	_____	EPA 243.1	0.001	_____
1055	Sulfate	_____	_____	_____	EPA 375.4	5	_____
1095	Zinc	_____	_____	_____	EPA 289.1	0.001	_____
1901	Carbon Dioxide	_____	_____	_____	SM 406 C	1.0	_____
1905	Color (color units)	_____	_____	_____	EPA 110.2	5	_____
1915*	Total Hardness	_____	_____	_____	EPA 130.2	2.0	_____
1917*	NCH as CaCO ₃	_____	_____	_____	_____	_____	_____
1920	Odor (total odor number)	_____	_____	_____	EPA 140.1	no odor observed	_____

Comments:

STATUS OF QUALITY OF SERVICE

System Name: Golden Terrace - Water

Status Report Date: 5/14/93

County: Citrus

Area of Resp.: Env. Services

I. Deficiency: Iron exceeds MCL

II. Corrective Action: This system will be interconnected with the City of Inverness.

III. Current Status: See attached executed agreement dated March 29, 1993 between the City of Inverness and SSU. Awaiting approval of Construction Permit from FDER. Construction must be completed within 90 days of permit issuance.

IV. Estimated Completion Date: Within 90 days of permit.

Distribution:

Region Manager:
Area Supervisor:
Engineering:
Environmental Services:
Rates:
Operations Administration:

3273
1273

AGREEMENT

THIS AGREEMENT, made this 29th day of March, 1993, by and between the CITY OF INVERNESS, FLORIDA (hereinafter referred to as "CITY"), and SOUTHERN STATES UTILITIES, INC. (hereinafter referred to as "SSU").

W I T N E S S E T H

WHEREAS, the CITY is a provider of water utility services to a customer base within and nearby to its corporate limits; and

WHEREAS, SSU is a private utility providing water service to customers located in Florida; and

WHEREAS, SSU serves a development called the Golden Terrace Mobile Home Park (hereinafter referred to as "Golden Terrace"), located just outside the corporate limits of the CITY; and

WHEREAS, SSU is no longer able to provide water service which meets DER standards to Golden Terrace; and

WHEREAS, SSU has requested to purchase water service for Golden Terrace from the CITY; and

WHEREAS, the CITY is willing to provide services to SSU for Golden Terrace under certain circumstances and conditions; and

WHEREAS, by this Agreement SSU has indicated its willingness to comply with these conditions;

NOW, THEREFORE, CITY and SSU do hereby stipulate and agree as follows:

1. CITY will sell water to SSU for the benefit of its customers in Golden Terrace. This water sale will be to a single source, with one meter at that source. The CITY will bill SSU for this water service. It will be the responsibility of SSU to

apportion costs among the users of the Golden Terrace system.

2. All connection fees, meter costs, and water service will be billed at prevailing rates for customers located outside of the corporate limits of the CITY. SSU agrees to pay CITY pursuant to those rates.

3. Installation and hookup of the water service shall be as follows:

a. SSU will make a six-inch wet tap to the CITY waterline on Crystal Lane, or contract with the City for same at a cost of \$1,118.00.

b. From that point, SSU, at its expense, will install a six inch water line through Golden Terrace to a mutually agreed point on Prospect Avenue.

c. SSU will install, at its expense, a 6" x 6" x 6" tee at the end of the six inch line; and install a valve at the end of both six inch openings.

d. SSU agrees to prepare the site so that the CITY can install a six inch meter connecting SSU to the CITY water system.

e. SSU will install, at its expense, a back flow preventer and hydrant in an appropriate location, and will pay for all pressure testing of the hookup.

f. CITY agrees to install the above mentioned meter and connect SSU to the CITY water system. SSU will pay to CITY the commercial installment fee for six-inch meter at the 125% out of city limit rate.

g. SSU agrees that all valves, piping, taps, back

3275

1275

flow preventers, hydrant, meter, and other system equipment will be installed and located pursuant to CITY specifications, and will be subject to CITY inspection and approval.

4. SSU will dedicate the six inch line and all other piping/plumbing/equipment on the CITY'S side of the meter to the CITY. This dedicated property shall become part of the CITY water system.

5. SSU agrees to disconnect its present Golden Terrace well site from the system.

6. SSU agrees to return all trenches and areas disturbed by this project to their original condition, at SSU's expense.

7. SSU agrees to advise and obtain written approval from the CITY for any increase to the service area and consumptive demand, excluding build-out and normal consumer increases, to the area presently known as Golden Terrace.

8. SSU agrees to abide by this Agreement, all policies, procedures, rates and fees, and any other laws or ordinances applicable to the utility system of the CITY, present and future.

9. CITY and SSU will execute any and all documents necessary to effectuate the provisions of this Agreement, and agree to abide by all terms and conditions of said documents.

10. In the event of disputes arising out of the terms and conditions of this Agreement, CITY and SSU agree that the laws governing this Agreement are the laws of the State of Florida and the Code of Ordinances of the CITY. Any disputes shall be settled in the courts of Citrus County, Florida, and the prevailing party shall be entitled to reasonable attorney's fees.

11. That this Agreement may be terminated by either party upon 365 days' written notice to the other. In case of termination, all improvements to the property on City rights of way shall remain the property of the CITY. There will be no modifications to this Agreement unless in writing signed by both parties. This Agreement may not be assigned or transferred to any other parties without first obtaining the prior written consent of the City of Inverness.

IN WITNESS WHEREOF, the parties hereto have set their hands and seal on the date aforesaid.

ATTEST:

CITY OF INVERNESS

Mark D. [Signature]

BY: [Signature]

Marilyn [Signature]

SOUTHERN STATES UTILITIES

Mark D. [Signature]
Jay [Signature]

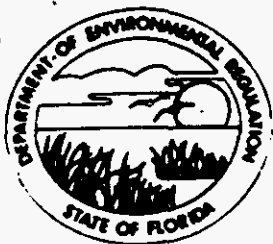
BY: [Signature]
CHARLES L. SWEAT, VICE PRESIDENT

APPROVED AS TO FORM AND CORRECTNESS

[Signature]
WILLIAM J. CATTO
Haag & Deutschman, P.A.
452 Pleasant Grove Road
Inverness, Florida 34452
(904) 726-0901
Florida Bar No. 337838

3277

1277



Florida Department of Environmental Regulation

Southwest District

3804 Coconut Palm

Tampa, Florida 33619

Lawton Chiles, Governor

813-744-6100

Virginia B. Wetherell, Secretary

April 2, 1993

Bert Phillips, President
Southern States Utilities, Inc.
1000 Color Place
Apopka, FL 32703

RE: Consent Order # 92-2012
Golden Terrace

Dear Mr. Phillips:

Please find attached, an executed copy of Consent Order # 92-2012.

If you have any questions regarding this matter, please contact Brenda Ball at 813/744-6100 Ext. 318.

Sincerely,

Pedro L. Rivera, P.E.
Section Manager
Drinking Water Section

PLR/bbm

Attachment:

cc: Larry Morgan, OGC
Dawn Durham, Citrus CPDU

cc: KARLA TEASLEY
RALPH TERRERO
CHUCK WOOD
JOE MACK
MARY GLENNON
FRANK SANDERSON
CHARLES SWEAT
BILL WILLIAMS
BOB WILLIAMS

4. Respondent's water system has exceeded the maximum contaminant level for iron in the water samples submitted on the following dates: August 6, 1991, October 2, 1991, January 7, 1992, March 23, 1992 and July 10, 1992.

Having reached a resolution of the matter, pursuant to Florida Administrative Code Rule 17-103.110(3), Respondent and the Department mutually agree and it is:

ORDERED:

5. Within 30 days of execution of this Consent Order, Respondent shall pay the Department \$500.00 in settlement of the matters addressed in this Consent Order. This amount is for costs and expenses incurred by the Department during the investigation of this matter and the preparation and tracking of this Consent Order. Payment shall be made by cashier's check or money order. The instrument shall be made payable to the Department of Environmental Regulation and shall include thereon the OGC number assigned to this Order and the notation "Pollution Recovery Fund".

6. By April 1, 1993, Respondent shall submit an application for a construction permit to the Department to interconnect Golden Terrace public water system with the City of Inverness water treatment plant. This connection will correct the MCL violations for iron. The application shall be prepared and sealed by a professional engineer registered in the State of Florida. If the Department finds that the application is incomplete, the Department will notify Respondent of the discrepancies and Respondent shall submit all requested information within 15 days of the request.

7. Within 90 days of the issuance of a construction permit by the Department, Respondent shall complete all construction on the interconnect.

8. Within 10 days after completion of the interconnect, a Certificate of Completion letter shall be submitted to the Department by the engineer of record as provided in Florida Administrative Code Rule 17-555.345.

9. Within 5 days after the Department issues a letter of clearance, Respondent shall place the interconnect in service. If the modification in the permit is insufficient to correct the violation, the Department reserves the right to take further enforcement action.

10. Respondent agrees to pay the Department stipulated penalties in the amount \$100 per day for each and every day Respondent fails to timely comply with any of the requirements specified in paragraph(s) 6, 7, 8, and 9 of this Consent Order. A separate stipulated penalty shall apply to each deadline that is missed. Within 30 days of written demand from the Department, Respondent shall make payment of appropriate stipulated penalties to the "The Department of Environmental Regulation" by cashier's check, or money order and shall include thereon the OGC number assigned to this Order and the notation "Pollution Recovery Fund." The Department may make demands for payment at any time after violations occur. Nothing in this paragraph shall prevent the Department from filing suit to specifically enforce any of the terms of this Consent Order. Any penalties assessed under this paragraph shall be in addition to the settlement sum agreed to in

paragraph 5 of this Consent Order. If the Department is required to file a lawsuit to recover stipulated penalties under this paragraph, the Department will not be foreclosed from seeking civil penalties for violations of this Consent Order in an amount greater than the stipulated penalties due under this paragraph.

11. If any event occurs which causes delay, or the reasonable likelihood of delay, in complying with the requirements of this Consent Order, Respondent shall have the burden of proving that the delay was, or will be, caused by the circumstances beyond the reasonable control of Respondent and could not have been or cannot be overcome by due diligence. Economic circumstances shall not be considered circumstances beyond the control of Respondent, nor shall the failure of a contractor, subcontractor, materialman or other agent (collectively referred to as "contractor") to whom responsibility for performance is delegated to meet contractually imposed deadlines be a cause beyond the control of Respondent, unless the cause of the contractor's late performance was also beyond the contractor's control. Upon occurrence of an event causing delay, or upon becoming aware of a potential for delay, Respondent shall notify the Department orally within 24 hours or by next working day and shall, within seven days of oral notification to the Department, notify the Department in writing of the anticipated length and cause of the delay, the measures taken, or to be taken, to prevent or minimize the delay, and the timetable by which Respondent intends to implement these measures. If the parties can agree that the delay or anticipated delay has been, or will be, caused by circumstances beyond the reasonable

control of Respondent, the time for performance hereunder shall be extended for a period equal to the agreed delay resulting from such circumstances. Such agreement shall adopt all reasonable measures necessary to avoid or minimize delay. Failure of Respondent to comply with the notice requirements of this paragraph in a timely manner shall constitute a waiver of Respondent's right to request an extension of time for compliance with the requirements of this Consent Order.

12. Respondent shall allow all authorized representatives of the Department access to the drinking water system at reasonable times for the purposes of determining compliance with this Consent Order and the rules of the Department.

13. Entry of this Order does not relieve Respondent of the need to comply with the applicable federal, state or local laws, regulations or ordinances.

14. The terms and conditions set forth in this Consent Order may be enforced in a court of competent jurisdiction pursuant to Sections 120.69 and 403.121, Florida Statutes. Failure to comply with terms of this Consent Order shall constitute a violation of Section 403.161(1)(b), Florida Statutes.

15. Respondent is fully aware that a violation of the terms of this Consent Order may subject Respondent to judicial imposition of damages, civil penalties of up to \$5,000.00 per offense, and criminal penalties.

16. Persons not parties to this Consent Order whose substantial interests are affected by this Consent Order have a right, pursuant to Section 120.57, Florida Statutes, to petition

for an administrative hearing on it. The petition must contain the information set forth below, and must be filed (received) in the Department's Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida, 32399-2400, within 21 days of receipt of this notice. A copy of the Petition must also be mailed at the time of filing to the District Office named above at the address indicated. Failure to file a petition within the 21 days constitutes a waiver of any right such person has to an administrative hearing pursuant to Section 120.57, F.S.

The petition shall contain the following information: (a) The name, address, and telephone number of each petitioner; the Department's identification number and the county in which the subject matter or activity is located; (b) A statement of how and when each petitioner received notice of the Consent Order; (c) A statement of how each petitioner's substantial interests are affected by the Consent Order; (d) A statement of the material facts disputed by petitioner, if any; (e) A statement of facts which petitioner contends warrant reversal or modification of the Consent Order; (f) A statement of which rules or statutes petitioner contends require reversal or modification of the Consent Order; (g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Consent Order.

If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this Notice. Persons whose substantial interests will be

affected by any decision of the Department with regard to the subject Consent Order have the right to petition to become a party to the proceeding. The petition must conform to the requirements specified above and be filed (received) within 21 days of receipt of this notice in the Office of General Counsel at the above address of the Department. Failure to petition within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, F.S., and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 28-5.207, F.A.C.

17. The Department hereby expressly reserves the right to initiate appropriate legal action to prevent or prohibit any violations of applicable statutes, or the rules promulgated thereunder that are not specifically addressed by the terms of this Consent Order.

18. The Department, for and in consideration of the complete and timely performance by Respondent of the obligations agreed to in this Consent Order, hereby waives its right to seek judicial imposition of damages or civil penalties for alleged violations outlined in this Consent Order. Respondent waives its right to an administrative hearing afforded by Section 120.57, Florida Statutes of the terms of this Consent Order. Respondent acknowledges its right to appeal the terms of this Consent Order pursuant to Section 120.68, Florida Statutes, but waives that right upon signing this Consent Order.

19. No modifications of the terms of this Consent Order shall be effective until reduced to writing and executed by both Respondent and the Department.

20. The provisions of this Consent Order shall apply to and be binding upon the parties, their officers, their directors, agents, servants, employees, successors, and assigns and all persons, firms and corporations acting under, through or for them and upon those persons, firms and corporations in active concert or participation with them.

21. All plans, reports, penalties, stipulated penalties, costs and expenses, or other documents required by this Consent Order to be submitted to the Department shall be sent to Brenda Ball, Potable Water, Department of Environmental Regulation, Southwest District, 4520 Oak Fair Boulevard, Tampa, FL 33610-7347.

22. If all of the requirements of this Consent Order have not been fully satisfied, Respondent shall at least 14 days prior to a sale or conveyance of the property, (1) notify the Department of such sale or conveyance, and (2) provide a copy of this Consent Order with all attachments to the new owner.

23. This Consent Order is final agency action of the Department pursuant to Section 120.69, Florida Statutes, and Florida Administrative Code Rule 17-103.110(3), and it is final and effective on the date filed with the Clerk of the Department unless a Petition for Administrative Hearing is filed in accordance with Chapter 120, Florida Statutes. Upon timely filing

of a petition this Consent Order will not be effective until further order of the Department.

FOR THE RESPONDENT:

3-26-93
DATE

Bert Phillips
Bert Phillips, President
Southern States Utilities, Inc.

DONE AND ORDERED THIS 1 day of April, 1993, in Tampa, Florida.

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION

FILING AND ACKNOWLEDGEMENT

FILED, on this date, pursuant to S120.52 Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

Sandy Mulke 4-2-93
Clerk Date

Richard D. Garrity
Richard D. Garrity, Ph.D.
Director of District Management
Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619-8318

Copies furnished to:

Larry Morgan
Office of General Counsel
Department of Environmental Regulation
2600 Blair Stone Road
Tallahassee, Florida 32399-3400

Citrus CPHU

STATUS OF QUALITY OF SERVICE

System Name: Gospel Island - Water

Status Report Date: 5/14/93

County: Citrus

Area of Resp. Env. Services

I. Deficiency: Manganese exceeds MCL

II. Corrective Action: Resubmit samples for testing

III. Current Status: Latest tests showed no Manganese present. See copy of last lab test result along with latest FDER Sanitary Survey.

IV. Estimated Completion Date:

Distribution:

Region Manager:
Area Supervisor:
Engineering:
Environmental Services:
Rates:
Operations Administration:

3288

1288



AQUA PURE WATER & SEWAGE SERVICE, INC.

10865 East S R. 40 • Silver Springs, Florida 32688

(904) 625-2822
FAX (904) 625-6638

System name: Gospil Island Estates
System ID#: 6094953

Page 1 of 2

PUBLIC DRINKING WATER REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

System ID#: 6094953 System name: Gospel Island Estates
System Type: (check one)
 Community Non-community Special Non-community

LABORATORY CERTIFICATION INFORMATION

Certification number: HRS #83166 & HRS # E83265
Parameter groups analyzed: Inorganic, Secondary Chemical, Turbidity, Microbiology
Subcontracted Labs and certification numbers:

SAMPLE INFORMATION

Sample Date: 2-26-92 Sample Time: 0900 hours
Laboratory Sample number: 9203040579
Sample Location: Lot 10, Blk H Terri Point
Sample Type: (check all that apply)
 Check Regular Distribution Composite
 Clearance Maximum Residence Time Plant Tap
 Raw Well Resample
 Special _____

Sampler Name, Title, and Phone: R. Bogosta Operator
904-489-2452

ANALYSIS INFORMATION

Laboratory Contact: William M. "Wally" Leslie
Resample Requested: (check one) YES NO
Analyses Submitted: (check all that apply)
 Turbidity Inorganic Trihalomethane
 Volatile Organic Organic Chemical
 Secondary Chemical Radiological
 Unregulated Organic Purgable
 Unregulated Organic Pesticide
 Unregulated Base Neutral Extractable
 Unregulated Acid Extractable

I do HEREBY CERTIFY that all data submitted are correct.

Lisa K. Saupp
William M. Leslie or Lisa K. Saupp
Lab Director Chemist
AQUA PURE WATER and SEWAGE SERVICE, INC.

DER/ACPHU Reviewing Official: _____

Sample Interpretation: Satisfactory Unsatisfactory

3289

1289



AQUA PURE WATER & SEWAGE SERVICE, INC.

10865 East S.R. 40 • Silver Springs, Florida 32688

(904) 625-2822
FAX (904) 625-6638

System name: Gospil Island Estates
System ID#: 6094953

Page 2 of 2

SECONDARY ANALYSIS (PWS031)

Cont ID	PARAMETER	Sample Number	Analysis Result mg/l	Method (CODE)	Det.Lt. Used mg/l	Analysis Date
1028	Iron	9203040579	<u>0.39</u>	303A	0.01	3-23-92
1032	Manganese	"	<u>0.06</u>	303A	0.01	3-23-92

Respectfully submitted by:

Lisa K. Saupp

W.M. "Wally" Leslie
or Lisa K. Saupp

Lab Director
Chemist

DATE: March 31, 1992

3290
1290



AQUA PURE WATER & SEWAGE SERVICE, INC.

10865 East S.R. 40 • Silver Springs, Florida 32688

(904) 625-2822
FAX (904) 625-6638

System name: Gospil Island Estates
System ID#: 6094953

Page 1 of 2

PUBLIC DRINKING WATER REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

System ID#: 6094953 System name: Gospel Island Estates
System Type: (check one)
 Community Non-community Special Non-community

LABORATORY CERTIFICATION INFORMATION

Certification number: HRS #83166 & HRS # EB3265
Parameter groups analyzed: Inorganic, Secondary Chemical, Turbidity, Microbiology
Subcontracted Labs and certification numbers:

SAMPLE INFORMATION

Sample Date: 2-27-92 Sample Time: 0900 hours
Laboratory Sample number: 9203040580
Sample Location: Lot 10, Blk H Terri Point
Sample Type: (check all that apply)
 Check Regular Distribution Composite
 Clearance Maximum Residence Time Flant Tap
 Raw Well Resample
 Special _____

Sampler Name, Title, and Phone: R. Bogosta Operator
904-489-2452

ANALYSIS INFORMATION

Laboratory Contact: William M. "Wally" Leslie
Resample Requested: (check one) YES NO
Analyses Submitted: (check all that apply)
 Turbidity Inorganic Trihalomethane
 Volatile Organic Organic Chemical
 Secondary Chemical Radiological
 Unregulated Organic Purgable
 Unregulated Organic Pesticide
 Unregulated Base Neutral Extractable
 Unregulated Acid Extractable

I do HEREBY CERTIFY that all data submitted are correct.

William M. Leslie or Lisa K. Saupp
Lab Director Chemist
AQUA PURE WATER and SEWAGE SERVICE, INC.

DER/ACPHU Reviewing Official: _____

Sample Interpretation: Satisfactory Unsatisfactory

3291

1291



AQUA PURE WATER & SEWAGE SERVICE, INC.

10865 East S.R. 40 • Silver Springs, Florida 32688

(904) 625-2822
FAX (904) 625-6638

System name: Gospil Island Estates
System ID#: 6094953

Page 2 of 2

SECONDARY ANALYSIS (PWS031)

Cont ID	PARAMETER	Sample Number	Analysis Result mg/l	Method (CODE)	Det.Lt. Used mg/l	Analysis Date
1028	Iron	9203040580	<u>0.02</u>	303A	0.01	3-23-92
1032	Manganese	"	<u>0.01</u>	303A	0.01	3-23-92

Respectfully submitted by:

Lisa K Saupp
W.M. "Wally" Leslie Lab Director
or Lisa K. Saupp Chemist

DATE: March 31, 1992

3292

1292



AQUA PURE WATER & SEWAGE SERVICE, INC.

10865 East S.R. 40 • Silver Springs, Florida 32688

904) 625-2822
FAX (904) 625-6638

System name: Gospil Island Estates
System ID#: 6094953

Page 1 of 2

PUBLIC DRINKING WATER REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

System ID#: 6094953 System name: Gospel Island Estates

System Type: (check one)

Community Non-community Special Non-community

LABORATORY CERTIFICATION INFORMATION

Certification number: HRS #83166 & HRS # E83265

Parameter groups analyzed: Inorganic, Secondary Chemical, Turbidity, Microbiology

Subcontracted Labs and certification numbers:

SAMPLE INFORMATION

Sample Date: 2-28-92 Sample Time: 0900 hours

Laboratory Sample number: 9203040581

Sample Location: Lot 10, Blk H Terri Point

Sample Type: (check all that apply)

- Check Regular Distribution Composite
- Clearance Maximum Residence Time Plant Tap
- Raw Well Resample
- Special _____

Sampler Name, Title, and Phone: R. Bogosta Operator
904-489-2452

ANALYSIS INFORMATION

Laboratory Contact: William M. "Wally" Leslie

Resample Requested: (check one) YES NO

Analyses Submitted: (check all that apply)

- Turbidity Inorganic Trihalomethane
- Volatile Organic Organic Chemical
- Secondary Chemical Radiological
- Unregulated Organic Furgable
- Unregulated Organic Pesticide
- Unregulated Base Neutral Extractable
- Unregulated Acid Extractable

I do HEREBY CERTIFY that all data submitted are correct.

William M. Leslie or Lisa K. Saupp
Lab Director Chemist
AQUA PURE WATER and SEWAGE SERVICE, INC.

DER/ADPHU Reviewing Official: _____

Sample Interpretation: Satisfactory Unsatisfactory

3293
1293



AQUA PURE WATER & SEWAGE SERVICE, INC.

10865 East S.R. 40 • Silver Springs, Florida 32688

(904) 625-2822
FAX (904) 625-6638

System name: Gospil Island Estates
System ID#: 6094953

Page 2 of 2

SECONDARY ANALYSIS (FWS031)

Cont ID	PARAMETER	Sample Number	Analysis Result mg/l	Method (CODE)	Det.Lt. Used mg/l	Analysis Date
1028	Iron	9203040581	<u>0.03</u>	303A	0.01	3-23-92
1032	Manganese	"	<u>< 0.01</u>	303A	0.01	3-23-92

Respectfully submitted by:

Lisa K. Saupp
W.M. "Wally" Leslie Lab Director
or Lisa K. Saupp Chemist

DATE: March 31, 1992

3294

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FILE

INSP. NOTEBOOK

MEL FISHER

Florida Department of Environmental Regulation

Southwest District

3804 Coconut Palm

Tampa, Florida 33619

Lawton Chiles, Governor

Carol M. Browner, Secretary



RECEIVED

FEB 26 1993

ENVIRONMENTAL
SERVICES

February 24, 1993

Southern States Utilities, Inc.
1000 Color Place
Apopka, FL 32703

Gospel Island
PWS-ID # 6094953
Citrus County

Dear Sirs:

Enclosed, please find a copy of the sanitary survey report for the above referenced public water system. On page six of this report, you will find a list of deficiencies, if any, that were noted during a recent inspection, along with recommended corrective action.

You are hereby requested to correct all listed deficiencies as recommended and to notify this office within 30 days, in writing, of your action.

Thank you for your cooperation.

Sincerely,

Brenda Ball
Environmental Specialist I
Drinking Water Section

BB/sem

Enclosure:

cc: Dawn Durham, Citrus CPHU

cc: KARLA TEASLEY

RALPH TERRERO

BILL WILLIAMS

BOB WILLIAMS

FRANK SANDERSON

CHUCK WOOD

JOE MACK

MARY GLENNON

1295

STATE OF FLORIDA
DEPARTMENT of ENVIRONMENTAL REGULATION
Sanitary Survey Report

Plant Name Gospel Island County Citrus PWS ID 6094953
 Plant N. Allen Ave. Inverness Plant
 Address Gospel Island S/D Zip Code 32650 Phone 904-726-8276
 Owner Name Southern States Utilities, inc. Owner Phone 904-880-0100
 Owner Address 1000 Color Place Apopka Fl Zip Code 32703
 Date of this inspection 2-16-93 Date of last inspection 2-5-92 Person contacted Bob Bogosta
 Certified operators and cert. nos. Bob Bogosta

Population served 62 Service connections 24 Percent metered 100 Design capacity .057 MGD
 Design storage capacity 215 Average output 1.3 thow/gal min Maximum hour unk Maximum day 3000
 Approval no. and date WC-09-1213, 5-21-80 Type meter and capy Kent 1x10⁷

Service area characteristics: (check all that apply) COMMUNITY/ NON-COMMUNITY
 Airport Institution Recreation area Subdivision
 Bathing area Interstate Carrier Residential Trailer Park
 Campground Lodge Rest area Visitor Center
 Company Town Marina Restaurant Other
 Indian Reservation Motel School

Emergency Water Source NO Emergency Power Source NO
 Type of Standby Capacity of Standby

Sources of Raw Water: Ground* How many Wells? 1 Surface** Identify Source: Purchased*** Identify supply System:

Treatment in use at this plant: (check all that apply) Green Sand
 Aeration E.D. Iron Removal pH adjustment
 Chlorination Filtration Lime Softening T & O control
 Chlor.-pre. Filt. hi-rate Recarbonation Settling
 Chlor.-post Fluoridation Reverse Osmosis Zeolite Soft.
 Coagulation Other--specify

What, if any, additional treatment is needed?
 For the control of what deficiencies?

*Use page 2 (Ground).
 **Use page 2 (Surface).
 ***Page 2 not required.

Well Number*	1						
Year Drilled	1979						
Depth Drilled	56'						
Length, out-side casing	51'						
Diameter, out-side casing	4"						
Material, out-side casing	Steel						
Depth to static water level	5'						
Normal suction lift (wkng. level)	unk						
Normal yield, GPM	50						
Test yield, GPM	unk						
Type of grout	Cement						
Drilling method	Cable tool						
Type of strainer	Cone						
Depth to top of strainer	unk						
Protection from surface water?	yes						
Is inundation of well possible?	yes						
Salt intrusion noted in past?	NO						
Has the well ever been contaminated?	NO						
Pump manufacturer's name	Submer.						
Model number	unk						
Capacity	50 Gpm						
Check valve present in line?	yes						
Date of last servicing	unk						
Maintenance schedule (day/mo.)	Weekly						

COMMENTS (condition): _____

*Attach additional copies of this page as needed.

DER Form PERM 13-24 (Aug. 30)

3297

1297

PLANT EQUIPMENT - CHLORINATOR

Dual system? <u>no</u>	Backup machine Operative <u>N/A</u>	Make of <u>Wagua</u> chlorinator	Capacity, <u>30</u> lb./24 hr <u>GPD</u>
Evidence of leaks	Reserve supply	Gas or hypo used <u>hypo</u>	Chlorine feed rate <u>unk</u>
Air-pack or respirator adequate		Condition of equipment	Automatic switchover
Residual at plant <u>0.6</u>	Residual at remote tap <u>4</u>	Ammonia smells fresh	More capacity needed
		Comments on chlorination	<u>appears adequate</u>

AERATOR

Bloodworms present	Type of aerator	Tray area or weir length	Condition of screens
	Condition of aerator		Adequate for Fe, H ₂ S control

COAGULATION

Blanket visible	Chemical used	Purpose	
	Flocculation good or poor	Settling good?	Carryover

LIME SOFTENING

Any auxiliary chemicals used	Quicklime or hydrated	Name of unit	Size and type
Nature and abundance of floc		Points of application (in unit)	
Is settling good	Excessive carryover	Appearance of sludge blanket	Secondary precipitation
Any filter cementation	Effluent stability	Turbidity in clearwell	Sludge recirculation used
		Recarbonation type	

FLUORIDATION

Corrosion noted	Chemical used	Strength if acid	Is dilution used (acid)
Split sample agreement	Gelling or plugging	Feeder make and model	
	Sufficient analyses	Feeder condition	

STABILIZATION

	Stability index of effluent	Is pH control practiced	Chemical(s) used
--	-----------------------------	-------------------------	------------------

FILTERS & FILTRATION

Size and number _____	Type of filters _____
Can you see filter media _____	Length of filter runs _____
Is it clean after backwash _____	Are mudballs visible _____
What is the normal filter rate _____	Is there air-binding _____
Capacity of filters _____	What is the usual backwash rate _____
Loss in head ga. present _____	Are filters overloaded _____
At what head loss is BW done _____	Cracks and Channelling _____
Has cementation ever occurred _____	Where in relation to filtration is stabilization done _____
If high rate, what is turbidity at interface _____	Range of turbidity in effluent _____
Can you observe algae in filters _____	Distance from top of media to trough overflow _____

REVERSE OSMOSIS

Make and type of units _____	Pressure required _____
Auxiliary chemicals used _____	Proportion of waste to product streams _____
Quality of effluent _____	Stabilization _____
Booster pump _____	Type of pre-treatment _____
	Type of membranes _____

ZEOLITE SOFTENING

Unit mfg. & model <u>Bruner TSD 270</u>	Resin capy _____
Grade of salt for regen. _____	Stability of effluent <u>unk</u>
	Resin prevented fm escaping _____

In the space below, give a rough sketch of the flow diagram of the plant, showing all important parts of the plant (not to scale):

HIGH SERVICE

Pump No.								
Manufacturer name								
Pump type & motor HP								
Model number								
Date Installed								
Capacity								
Maintenance schedule								
Date last serviced								

Comments: _____

STORAGE FACILITIES: ()ground; ()hydropneumatic; ()elevated; ()clearwell.

Tank No.	1							
Capacity	315							
Material	Steel							
Gravity drain capacity	yes							
Bypass capacity	NO							
Covered/screened openings	N/A							
Date of last cleaning	unk							
Pressure gauge	yes							
Sight glass	NO							
On/Off pressure	44-64							
Hgt. to bottom of el. tank	N/A							
Hgt to max. water level	N/A							

Comments: _____

DISTRIBUTION SYSTEM Material of mains PVC System looped yes
 Operation pressure 35 Max. pipe diam. 2" Min. pipe diam. 2" No. of dead ends 1
 How often flushed As needed No. of fire hydrants none Known cross-connections with private supplies none
 Blowoff lines below grade NO Routine cross-connection control program none

PLANT LABORATORY CAPABILITY

<u> </u> pH	<input checked="" type="checkbox"/> Chlorine: type <u> </u>	<u> </u> Color
<u> </u> Bacteriological	<u> </u> Iron	<u> </u> Turbidity
<u> </u> Chlorides	<u> </u> Stability	<u> </u> Jar tests
<u> </u> Radiological	<u> </u> Marble tests	<u> </u> Organics
		<u> </u> Alkalinity
		<u> </u> Fluorides
		<u> </u> Inorganics
		<u> </u> Hardness
		<u> </u> Complete

Person in charge of laboratory, and credentials: _____

COMPLIANCE MONITORING System is in full compliance with which requirements? Check.

<input checked="" type="checkbox"/> Bacteriological	<input checked="" type="checkbox"/> Turbidity	<input checked="" type="checkbox"/> Inorganic chemical	<input checked="" type="checkbox"/> Organic chemical	<u>N/A</u> THM
<input checked="" type="checkbox"/> Radiological	<input checked="" type="checkbox"/> Secondaries	<input checked="" type="checkbox"/> Other: _____		

Violations of sampling requirements: _____

Violations of maximum contaminant levels: _____

The following deficiencies are noted, with recommended corrective action: (if none, write "none" in this space).

DEFICIENCY	REGULATION PERTAINING	RECOMMENDED ACTION
<u>At the time of this inspection no physical deficiencies were noted.</u>		

Inspector's signature Brenda Ball Date: 2-23-93
 Title ASE Approved by C. Featheringill Date: 2-24-93
District Manager (signature)

STATUS OF QUALITY OF SERVICE

System Name: Pine Ridge Utilities - Water

Status Report Date: 5/14/93

County: Citrus

Area of Resp.
Operations/Engineering

I. Deficiency: Low pressure on Bonanza Street

II. Corrective Action: This part of the distribution system was looped in 1992. That did not materially improve the pressure. The plant pressure will be increased by 10 psi in an attempt to raise the pressure at the customers premises.

III. Current Status: Still evaluating solutions to this problem.

IV. Estimated Completion Date: 60 to 90 Days

Distribution:

Region Manager:
Area Supervisor:
Engineering:
Environmental Services:
Rates:
Operations Administration:

STATUS OF QUALITY OF SERVICE

System Name: Point O Woods - Water

Status Report Date: 5/14/93

County: Citrus

Area of Resp. Engineering

I. Deficiency: Iron exceeds MCL

II. Corrective Action: Company entered into Consent Order (# 92-1613) with FDER on September 21, 1992 to make improvements to the water system to maintain iron at or below the maximum contaminant level. The company has spent \$446,000 for the installation of new wells, iron filters, and associated plant equipment. The new plant was cleared for service on December 4, 1992. Attached is a copy of the letter from FDER that closes Consent Order # 92-1613.

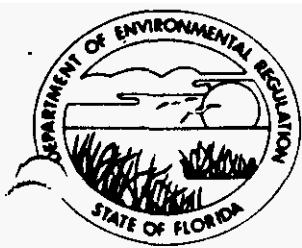
III. Current Status: Problem corrected.

IV. Estimated Completion Date: Project completed.

Distribution:

Region Manager:
Area Supervisor:
Engineering:
Environmental Services:
Rates:
Operations Administration:

3803



Florida Department of Environmental Regulation

Southwest District

3804 Coconut Palm

Tampa, Florida 33619

Lawton Chiles, Governor

813-744-6100

Carol M. Browner, Secretary

RECEIVED

FEB 08 1993

ENVIRONMENTAL
SERVICES

February 3, 1993

Southern States Utilities
Mel Fisher
1000 Color Place
Apopka, FL 32703

RE: Consent Order # 92-1613

Dear Mr. Fisher:

Terms of referenced Consent Order have been satisfied.
This letter officially closes Consent Order # 92-1613
and the Department's enforcement action.

Thank you for your cooperation in this matter.

Sincerely,

Craig McArthur
Environmental Manager
Drinking Water Section

CM/bbm

cc: Dawn Durham, Citrus CPHU
Bert Phillips, SSU
Dr. Shakra Junejo, Citrus CPHU

CC: BERT PHILLIPS

KARLA TEASLEY

RALPH TERRELL

CHUCK WOOD

JILL MARK

BILL WILLIAMS

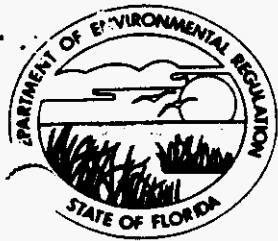
BOB WILLIAMS

FRANK SANDERSON

CATHERINE WAGNER

MARY GLENNON

3304
1304



Florida Department of Environmental Regulation

Southwest District

4520 Oak Fair Boulevard

Tampa, Florida 33610-7347

Lawton Chiles, Governor

813-620-4100

Carol M. Browner, Secretary

RECEIVED

OCT 02 1992

**ENVIRONMENTAL
SERVICES**

September 28, 1992

NIET

FILE

- 1) POINT O' WOODS*
- 2) CONSENT ORDER NOTEBOOK*

Bert Phillips
Southern States Utilities, Inc.
1000 Color Place
Apopka, FL 32703

RE: Consent Order # 92-1613
Point O' Woods

Dear Mr. Phillips:

Please find attached, an executed copy of Consent Order # 92-1613.

If you have any questions regarding this matter, please contact Brenda Ball at 813/744-6100 Ext. 318.

Sincerely,

Craig McArthur
Environmental Manager
Drinking Water Section

CM/bbm

Attachment:

cc: Larry Morgan, OGC
Kenna Study-DER Tallahassee
Dawn Durham, Citrus CPHU

BEFORE THE STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

STATE OF FLORIDA DEPARTMENT : IN THE OFFICE OF THE
OF ENVIRONMENTAL REGULATION, : SOUTHWEST DISTRICT
: :
Complainant, : :
: :
vs. : OGC CASE NO. 92-1613
: :
SOUTHERN STATES UTILITIES, INC. :
1000 COLOR PLACE :
APOPKA, FL 32703 :
: :
Respondent. :

CONSENT ORDER

This Consent Order is entered into between the State of Florida Department of Environmental Regulation ("Department") and Southern States Utilities, Inc. ("Respondent") to reach settlement of certain matters at issue between the Department and Respondent.

The Department finds and Respondent admits the following:

1. The Department is the administrative agency of the State of Florida charged with the duty to administer and enforce the provisions of the Florida Safe Drinking Water Act, Sections 403.850, et seq., Florida Statutes, and the rules promulgated thereunder, Florida Administrative Code Title 17. The Department has jurisdiction over the matters addressed in this Consent Order.

2. Respondent is a person within the meaning of Section 403.852(5), Florida Statutes.

3. Respondent is the owner and operator of a community

water system Point O' Woods, PWS-ID # 6091422 located at 9699 E. Gospel Island Road, Inverness, Florida.

4. Respondent has failed to maintain iron at or below maximum contaminant levels since February 27, 1991.

Having reached a resolution of the matter, pursuant to Florida Administrative Code Rule 17-103.110(3), Respondent and the Department mutually agree and it is:

ORDERED:

5. Within 30 days of execution of this Consent Order, Respondent shall pay the Department \$950.00 in settlement of the matters addressed in this Consent Order. This amount includes a civil penalty of \$600.00 for alleged violations of Sections 403.860, F.S., and of the Department's rules and \$350.00 for costs and expenses incurred by the Department during the investigation of this matter and the preparation and tracking of this Consent Order. Payment shall be made by cashier's check or money order. The instrument shall be made payable to the Department of Environmental Regulation and shall include thereon the OGC number assigned to this Order and the notation "Pollution Recovery Fund".

6. Within 30 days of the effective date of this Consent Order, Respondent shall submit all requested information to complete the construction permit application for construction of the necessary modifications to the drinking water system to correct the violations of the MCL for iron.

7. Within 60 days of the issuance of the permit by the

Department, Respondent shall completely construct the modification involving "Iron Filters".

8. Within 20 days after completion of the modification involving Iron Filters, a Certificate of Partial Completion letter shall be submitted to the Department by the engineer of record as provided in Florida Administrative Code Rule 17-555.345.

9. Within 5 days after Department approval of the modification involving Iron Filters, Respondent shall place the modification in service. If the modification in the permit is insufficient to correct the violation, the Department reserves the right to take further enforcement action.

10. Respondent shall continue monthly sampling for iron until 2 consecutive months of satisfactory samples are received by the Department, and receives written notification from the Department that Respondent monthly sampling may cease.

11. Respondent agrees to pay the Department stipulated penalties in the amount of \$100.00 per day for each and every day Respondent fails to timely comply with any of the requirements of paragraphs 6, 7, 8, and 9 of this Order. A separate stipulated penalty shall be assessed for each violation of this Order. Within 30 days of written demand from the Department, Respondent shall make payment of the appropriate stipulated penalties to the "The Department of Environmental Regulation" by cashier's check or money order and shall include thereon the OGC number assigned to this Order and the notation "Pollution Recovery Fund." The Department may make demands for payment at any time after violations occur. Nothing in this

paragraph shall prevent the Department from filing suit to specifically enforce any of the terms of this Consent Order. Any penalties assessed under this paragraph shall be in addition to the settlement sum agreed to in paragraph 5 of this Consent Order. If the Department is required to file a lawsuit to recover stipulated penalties under this paragraph, the Department will not be foreclosed from seeking civil penalties for violations of this Consent Order in an amount greater than the stipulated penalties due under this paragraph.

~~12.~~ If any event occurs which causes delay, or the reasonable likelihood of delay, in complying with the requirements of this Consent Order, Respondent shall have the burden of proving that the delay was, or will be, caused by the circumstances beyond the reasonable control of Respondent and could not have been or cannot be overcome by due diligence. Changed economic circumstances shall not be considered circumstances beyond the control of Respondent, nor shall the failure of a contractor, subcontractor, materialman or other agent (collectively referred to as "contractor") to whom responsibility for performance is delegated to meet contractual imposed deadlines be a cause beyond the control of Respondent, unless the cause of the contractor's late performance was also beyond the contractor's control. Upon occurrence of an event causing delay, or upon becoming aware of a potential for delay, Respondent shall promptly notify the Department orally and shall, within seven days of oral notification to the Department, notify the Department in writing of the anticipated length and

cause of the delay, the measures taken, or to be taken, to prevent or minimize the delay, and the timetable by which Respondent intends to implement these measures. If the parties can agree that the delay or anticipated ^{delay} has been, or will be, caused by circumstances beyond the reasonable control of Respondent, the time for performance hereunder shall be extended for a period equal to the agreed delay resulting from such circumstances. Such agreement shall adopt all reasonable measures necessary to avoid or minimize delay. Failure of Respondent to comply with the notice requirements of this paragraph in a timely manner shall constitute a waiver of Respondent's right to request an extension of time for compliance with the requirements of this Consent Order.

13. Respondent shall allow all authorized representatives of the Department access to the drinking water system at reasonable times for the purposes of determining compliance with this Consent Order and the rules and regulations of the Department.

14. Entry of this Order does not relieve Respondent of the need to comply with the applicable federal, state or local laws, regulations or ordinances.

15. The terms and conditions set forth in this Consent Order may be enforced in a court of competent jurisdiction pursuant to Sections 120.69 and 403.121, Florida Statutes. Failure to comply with terms of this Consent Order shall constitute a violation of Section 403.161(1)(b), Florida Statutes.

16. Respondent is fully aware that a violation of the terms of this Consent Order may subject Respondent to judicial imposition of damages, civil penalties of up to \$5,000.00 per offense, and criminal penalties.

17. Persons not parties to this Consent Order whose interests are affected by this Consent Order have a right, pursuant to Section 120.57, Florida Statutes, to petition for an administrative hearing on it. The petition must contain the information set forth below, and must be filed (received) in the Department's Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida, 32399-2400, within 21 days of receipt of this notice. A copy of the Petition must also be mailed at the time of filing to the (persons named) above at the address indicated. Failure to file a petition within the 21 days constitutes a waiver of any right such person has to an administrative determination (hearing) pursuant to Section 120.57, F.S.

The petition shall contain the following information: (a) The name, address, and telephone number of each petitioner; the Department's identification number and the county in which the subject matter or activity is located; (b) A statement of how and when each petitioner received notice of the Department's action or proposed action; (c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action; (d) A statement of the material facts disputed by petitioner, if any; (e) A statement of facts which petitioner contends warrant reversal or

modification of the Department's action or proposed action; (f) A statement of which rules or statutes petitioner contends require reversal or modification of the Department's action or proposed action; (g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action;

If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this Notice. Persons whose substantial interests will be affected by any decision of the Department with regard to the subject Consent Order have the right to petition to become a party to the proceeding. The petition must conform to the requirements specified above and be filed (received) within 21 days of receipt of this notice in the Office of General Counsel at the above address of the Department. Failure to petition within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, F.S., and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 28-5.207, F.A.C.

18. The Department hereby expressly reserves the right to initiate appropriate legal action to prevent or prohibit the future violation of applicable statutes, or the rules promulgated thereunder.

19. The Department, for and in consideration of the complete and timely performance by Respondent of the obligations agreed to in this Consent Order, hereby waives its right to seek judicial imposition of damages or civil penalties for alleged violations outlined in this Consent Order. Respondent waives its right to an administrative hearing pursuant to Section 120.57, Florida Statutes of the terms of this Consent Order. Respondent acknowledges its right to appeal the terms of this Consent Order pursuant to Section 120.68, Florida Statutes, but waives that right upon signing this Consent Order.

20. No modifications of the terms of this Consent Order shall be effective until reduced to writing and executed by both Respondent and the Department.

21. The provisions of this Consent Order shall apply to and be binding upon the parties, their officers, their directors, agents, servants, employees, successors, and assigns and all persons, firms and corporations acting under, through or for them and upon those persons, firms and corporations in active concert or participation with them.

22. All plans, reports, penalties, stipulated penalties, costs and expenses, or other documents required by this Consent Order to be submitted to the Department shall be sent to Brenda Ball, Potable Water, Department of Environmental Regulation, Southwest District, 4520 Oak Fair Boulevard, Tampa, FL 33610-7347.

23. If all of the requirements of this Consent Order have not been fully satisfied, Respondent shall not sell or convey

the above-described drinking water system without, at least 14 days prior to such sale or conveyance, (1) notifying the Department of such sale or conveyance, and (2) providing a copy of this Consent Order with all attachments to the new owner.

24. This Consent Order is final agency action of the Department pursuant to Section 120.69, Florida Statutes, and Florida Administrative Code Rule 17-103.110(3), and it is final and effective on the date filed with the Clerk of the Department unless a Petition for Administrative Hearing is filed in accordance with Chapter 120, Florida Statutes. Upon timely filing of a petition this Consent Order will not be effective until further order of the Department.

DONE AND ORDERED THIS 24 day of Sept., 1992, in Tampa, Florida.

FOR THE RESPONDENT:

Bert Phillips
Bert Phillips
Southern States Utilities, Inc.

FILING AND ACKNOWLEDGEMENT

FILED, on this date, pursuant to S120.52 Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

Sandra Muecke 09-28-92
Clerk Date

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION

Richard D. Garrity
Richard D. Garrity, Ph.D.
Director of District Management

Copies furnished to:

Larry Morgan
Office of General Counsel
Department of Environmental Regulation
2600 Blair Stone Road
Tallahassee, Florida 32399-3400

Kenna Study, DER-Tallahassee

Citrus CPHU

**STATUS OF WATER SYSTEM'S
DEFICIENCIES**

**REQUIRING TWELVE MONTH
RESPONSE**

DOCKET NO. 920199-WS

3315

1315

STATUS OF QUALITY OF SERVICE

System Name: Beechers Point - Water

Status Report Date: 5/14/93

County: Putnam

Area of Resp. Engineering

I. Deficiency: Sodium and Chlorides exceed MCL

II. Corrective Action: The company entered into a Consent Order (# 93-0332) with the FDER dated April 22, 1993 for improvements to correct the above referenced violations. Three options are outlined in the Order that include:

1. Interconnect with the Town of Welaka.
2. Submittal of engineering plans to permit additional treatment.
3. Secure a permit from St. Johns River Water Management District to remediate the existing wells at Beechers Point WTP to a more shallow depth pursuant to drawing better quality water.

If Option 1 is exercised, an interconnect shall be completed within 9 months of the date of the Order. If Option 2 is exercised, additional treatment shall be installed within 1 year of a permit issued by FDER. If Option 3 is exercised, the remediated wells shall be cleared bacteriologically and all chemical analysis required for community public water systems shall be received within 6 months of the effective date of the Order.

III. Current Status: Agreement with Town of Welaka executed by Company (copy attached) and approved by Town Council conceptually. Scheduled for June 8th Town Council meeting for approval of resolution giving authority to serve outside the Town limits.

IV. Estimated Completion Date:

Distribution:

Region Manager:
Area Supervisor:
Engineering:
Environmental Services:
Rates:
Operations Administration:

3316

SSU

Corporate Development
Intra-company correspondence

TO: File
FROM: Charles L. Sweat *Charles*
DATE: May 12, 1993
RE: Beecher's Point

The Town of Welaka has now decided that a resolution is needed - before they can enter into an agreement with SSU. This resolution will be placed before the town council for the June 8th meeting.

c: Bert Phillips
Karia Teasley
C. E. Wood
Scott Vierima
Robert Regalado
Joe Roberts
Mel Fisher
Rafael A. Terrero

3317

1317

WHOLESALE WATER AGREEMENT

THIS AGREEMENT, made as of the _____ day of _____, 1993, by and between the TOWN OF WELAKA political subdivision, hereinafter referred to as "TOWN" and SOUTHERN STATES UTILITIES, INC. a Florida Corporation, hereafter referred to as "UTILITY"

RECITALS

WHEREAS, the TOWN and the UTILITY recognize the need on the part of the UTILITY for a connection between the water system owned and operated by the TOWN and a water system owned and operated by the UTILITY known as Beecher's Point water system.

NOW, THEREFORE, for and in consideration of the mutual covenants and promises contained herein, the parties agree as follows:

1. **TERM OF AGREEMENT.** The term of this Agreement shall be for a period of five (5) years from the date hereof. The Agreement shall automatically renew unless TOWN or UTILITY provides written notice to the other party of its intention to terminate. Such notice must be given two (2) years prior to the automatic date of renewal. The TOWN may adjust its charges for water upward or downward from time to time in accordance with the TOWNS rate-setting procedures, by vote of the Town Council. Any notice required or allowed to be delivered hereunder shall be in writing and be deemed to be delivered when (1) hand delivered or sent by facsimile transmission to the official hereinafter designated, or (2) upon receipt of such notice when deposited in United States mail, postage prepaid, certified mail, return receipt requested, addressed to a party at the address set forth opposite the party's name below, or at such other address as the party shall

have specified by written notice to the other party delivered in accordance herewith:

UTILITY: Mr. Charles L. Sweat
Southern States Utilities, Inc.
1000 Color Place
Apopka, Fl. 32703

TOWN: Mayor Milo Williams
Town of Welaka

2. **SALE OF WATER.** Subject to the conditions and limitations set forth in this Agreement the TOWN shall provide bulk water service in an amount of nineteen thousand five hundred (19,500) gallons per day (annual average) to the UTILITY. The rate of supply shall be continuous, however, the TOWN shall not be required to draw water in excess of its consumptive use permits and shall not be liable to the UTILITY or its customers for any interruptions of water service provided hereunder.

3. **PRICE .** Water supplied hereunder and distributed through the connection point shall be charged to the UTILITY at the bulk rate of \$2.59 per 1,000 gallons shall be mutually acceptable. However, as provided in paragraph one (1) above, the TOWN may adjust rates upwards or downwards from time to time by vote of the Town Council.

4. **SERVICE STANDARDS:** The TOWN agrees to comply with all state, regional, and federal requirements and rules applicable to the provision of water service to the public. Under any interconnection

accomplished hereunder, the TOWN shall maintain a pressure of 55 pounds per square inch in its Water distribution system at the Point of Connection.

5. **CONNECTION POINT AND CONNECTION FEES:** The location of the service connection shall be within TOWN limits. The UTILITY will be responsible for the costs associated with the construction and installation of a suitable distribution line to the point of connection, and shall provide the necessary pipe fittings, valves and all appurtenances including a 6" meter at the point of connection. After completion UTILITY will deed to TOWN the aforementioned connection. Such point of connection is outlined on Exhibit "B" attached hereto. UTILITY will pay TOWN Two Hundred and Fifty dollars (\$250.00) per ERC, an ERC is defined as 250 gallons per day, or Nineteen Thousand Five Hundred Dollars (\$19,500) as connection fees for 78 ERC's now being served by UTILITY'S Beecher's Point water system. Exhibit "C" attached hereto lists the service locations of the Beecher's Point customers as of the date of this agreement.

6. **NEW DEVELOPMENT** UTILITY further agrees that should any new development within its service area, as described on the attached Exhibit "A" attached, or any new development outside the service area of Beecher's Point as approved by the FPSC, shall pay connection charge set by the TOWN at the time water service is made. Connection shall be collected by UTILITY, and same passed on to the TOWN.

7. **BILLING AND PAYMENT:** The TOWN shall bill the UTILITY on the fifth (5th) day of each month for all water sold hereunder during the prior month. Bills not paid within thirty (30) days of receipt shall be deemed delinquent and shall be assessed a two percent (2%) per month late charge.

8. **WATER METER CALIBRATION:** The TOWN or the UTILITY, shall examine and test the meter within twenty-four (24) months of installation to determine whether the meter is registering correctly the volume of water being delivered. The parties shall share equally the cost of such examination and test. If a test of the meter discloses a deviation of more than the meter shall be corrected and previous calculations made in the month period immediately prior to said meter test or for the time period from the most recent meter test, whichever is the shorter period of time. In any event, the meter shall be tested annually thereafter in the presence of the TOWN and UTILITY.

8. **ENTIRE AGREEMENT:** This Agreement constitutes the entire agreement of the parties and may not be changed or modified except by instrument in writing executed by both the parties hereto.

9. **BINDING EFFECT:** This Agreement is binding upon and shall inure to the benefit of the successors or assigns of the parties to this Agreement.

IN WITNESS WHEREOF, the parties have executed this Agreement on the date first above written.

**TOWN OF WELAKA, FLORIDA
A Municipal Corporation**

Approved as to Form

Attorney for Welaka

**Signed, sealed and delivered
in the presence of:**

Clerk of Welaka

SOUTHERN STATES UTILITIES, INC.

by _____
Charles L. Sweat
Vice President - Corporate Development

**Signed, sealed and delivered
in the presence of:**

STATUS OF QUALITY OF SERVICE

System Name: Chuluota - Water

Status Report Date: 5/14/93

County: Seminole

Area of Resp. Env. Services

I. Deficiency: Radium 226-228 exceeds MCL and rust in system.

II. Corrective Action: Retest for radium for 4 consecutive quarters. To solve the rust problem, it was necessary to replace approx. 3,300 feet of 2 inch galvanized pipe.

III. Current Status: Attached are the lab results for the first 3 quarterly tests. The results for the 4th quarterly sampling will be available in late June. As indicated by the attached lab test results, the samples were within the specified MCL for Radium 226-228.

Water main replaced late in 1992 and placed into service in December 1992. Attached is As-built print showing water main replaced.

IV. Estimated Completion Date: Project completed.

Distribution:

Region Manager:
Area Supervisor:
Engineering:
Environmental Services:
Rates:
Operations Administration:

3323



General Offices

1000 Color Place
Apopka, FL 32703
(407) 880-0058

April 27, 1993

Ms. Marie Carrasquillo
State of Florida D.E.R.
3319 Maguire Blvd., Suite 232
Orlando FL 32803-3767

Re: Radium 226-228 Chuluota
P.W.S. I.D. #3590186

Dear Ms. Carrasquillo:

Per a recent phone conversation with Barbara of your department, we were made aware of our inadvertently omitting the Public Drinking Water Analysis Reporting Format with our last submission of 3rd Quarterly Radium 226-228 analyses for Chuluota. I have enclosed it along with another set of the analyses.

Please enter this information into your records. As always, your continued cooperation and assistance is greatly appreciated.

Sincerely,

Sam Sparks
Area Supervisor

/plb

enc.

c: Seminole County Health Dept. w/enc.

3324

1324

bc: Mel Fisher
Jim Ragsdale w/enc.
Frank Sanderson
Priscilla Wampler w/enc.

3325

1325



General Offices

1000 Color Place
Apopka, FL 32703
(407) 880-0058

April 8, 1993

Ms. Marie Carrasquillo
State of Florida D.E.R.
3319 Maguire Blvd., Suite 232
Orlando, Florida 32803-3767

Re: Radium 226-228 Chuluota
P.W.S. I.D.# 3590186

Dear Ms. Carrasquillo:

Enclosed you will find the 3rd Quarterly Radium 226-228 analyses for Chuluota. Please enter this information into your records.

As always, your cooperation and assistance is greatly appreciated.

Sincerely,

Sam Sparks
Area Supervisor

/plb

enc.

c: Seminole County Health Dept. w/enc.

3326

33

FLOWERS CHEMICAL LABORATORIES														
ANALYTICAL RESULTS FORM										HRS Number 83139				
Parameter	Symbol	Unit	P.O.E.							QA		Section		
										Method	MDL	%RSD	%Rep	Analyt
Gross alpha conc. Pa & U	*	pCi/L	-											
Analyt. Error(Ga)	*	pCi/L	-							EPA800	0.1			PL 03-31-93
Radium-226	*	pCi/L	2.40							EPA800	0.1			PL 03-31-93
Analyt. Error(226)	*	pCi/L	0.100							EPA803.1	0.1			PL 03-31-93
Radium-228	*	pCi/L	1.70							EPA803.1	0.1			PL 03-31-93
Analyt. Error(228)	*	pCi/L	1.40							EPA804	0.3			PL 03-31-93
Gross beta	*	pCi/L	-							EPA804	0.3			PL 03-31-93
Analyt. Error(Bt)	*	pCi/L	-							EPA800	0.1			PL 03-31-93
										EPA800	0.1			PL 03-31-93
Date Received:		03-09-93		Typed:		03-31-93		Sent:		03-31-93				
Project Number	8590186													
PO Number	N/A													
Date Sampled	1 03-09-93 *													
Date Analyzed	0													
Compe d	1													
Format	NormRR													
Unit Cost	Extd													
Re226/228	27000		1 *											
	0		0 *											
	0.00													

3327
1327



Received From:
 SSU Services
 1000 Color Place
 Apopka, FL 32703

Date Reported : Apr 1 1993
 Project Number : 8590186
 PO Number : N/A
 FDHRSDW Number : 83139
 FHRS ENVNumber : E83018
 FDER COMQAPNum : 86-0008G
 A2LA Number : 0312-01
 NCDEHNR Number : 296
 SCDHEC Number : 96019

For: POE
 Date Sampled: Mar 9 1993 Date Received: Mar 9 1993 Lab Number : 16880

REPORT OF ANALYSIS

Parameter	Unit	Method	%ACC	%PRC	16880
		Detection			
		Limit			
Gross alpha excl. Ra	pCi/L	0.100			-
Analysis_Error(Ga)	pCi/L	0.100			-
Radium 226	pCi/L	0.100			2.40
Analysis_Error(226)	pCi/L	0.100			0.100
Radium 228	pCi/L	0.300			1.70
Analysis_Error(228)	pCi/L	0.300			1.40
Gross_Beta	pCi/L	0.100			-
Analysis_Error(Gb)	pCi/L	0.100			-

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
 Methods of analysis in accordance with FCL QA and EPA approved methodology.
 This Report of Analysis may not be reproduced in part.

Jefferson S. Flowers, Ph.d.
 President/Technical Director

3328

Serving Your Analytical and Environmental Needs Since 1957

Jefferson L. Flowers, Ph.D.
 Jefferson S. Flowers, Ph.D.
 481 NEWBURYPORT
 P.O. BOX 150-597
 ALTAMONTE SPRINGS
 FLORIDA 32715-0597
 BUS: (407) 339-5984
 FAX: (407) 260-6110

1328



CHEMICAL LABORATORIES INCORPORATED

ANALYTICAL & CONSULTING CHEMISTS
CHAIN OF CUSTODY RECORD
DRINKING WATER 17-550

FDER Lab # E83018
FDHRS Lab # 83139
NCDEHNR Lab # 296
SCDHEC Lab # 96019

Att: Rick

(1) Client <u>SSU</u>	(2) Address <u>Apopka, FL</u>	(3) Phone <u>880-CC58</u>
(4) Public Drinking Water ID # <u>8590186</u>		(5) Public Water System Name: <u>Chuluota</u>
(6) Project #	(8) Public Water System Type	
(7) PO #	<input checked="" type="checkbox"/> Community <input type="checkbox"/> Non-Community <input type="checkbox"/> Special Non-Community	

	Preservative		Plastic Containers				Glass Containers				NOTES:		
	HNO3	ZnOAC/NaOH	60ml	125ml	250ml	500ml	40ml	250ml	500ml	1L		2L	4L
(16) <u>2</u>	<input checked="" type="checkbox"/>						<input checked="" type="checkbox"/>						(12) Turn Around Time: 10 Working Days: _____ 5 Working Days: _____ 3 Working Days: _____ 1 Working Day : _____ Other: _____
													<u>Chuluota</u> <u>(- RAD 226/228</u>
(17) Kit Relinquished:			(17) Date		(9) Kit Received			(9) Date					
			(17) Time					(9) Time					
(10) Parameter Group(s) Analyzed: Turbidity___; Inorganic___; Trihalomethane___; Volatile Organic___; Organic Chemical___; Secondary Chemical___; <u>Radiological</u> ___; Unregulated Organic Purgeable___; Unregulated Organic Pesticide___; Unregulated Base Neutral Extractable___; Unregulated Acid Extractable___;													

(18) Laboratory Number

16880

(11) Client Sample Identification

- #1 Point of ENTRY
- #2 Point of ENTRY
- #3 _____
- #4 _____
- #5 _____
- #6 _____
- #7 _____
- #8 _____
- #9 _____
- #10 _____

(13) Collectors Signature:

Gerome Hampton

Date 3-9-93

Time 2:37pm

(14) Transporters Signature:

[Signature]

3/9/93

2140

(15) Lab Acceptance By:

Over for numbered instructions.

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 3590186
Public Water System Name Chuluota
Public Water System Type (check one):

Community Non-community Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: HRS 83139
Parameter Group(s) Analyzed: Turbidity___; Inorganic___; Trihalomethane___;
Volatile Organic___; Organic Chemical___; Secondary Chemical___; Radiological X___;
Unregulated Organic Purgeable___; Unregulated Organic Pesticide___;
Unregulated Base Neutral Extractable___; Unregulated Acid Extractable___;
Subcontracted Lab Certification Number (if any): For Radiological Parameters: HRS82138


SAMPLE INFORMATION

Sample Date (MMDDYY):
Laboratory Sample Number: 18880
Sample Location (be specific): P.O.E.
Sample Type (check all applicable):
 Check Regular Distribution Composite
 Clearance Maximum Residence Time Plant Tap
 Raw Well Resample
 Special
Sampler Name, Title Phone:

ANALYSIS INFORMATION

Extraction Date ___/___/___
Laboratory Contact Dr. J.S. Flowers
Resample Requested? (check one): Yes No
ANALYSIS SUBMITTED: Turbidity___; Inorganic___; Trihalomethane ___;
Volatile Organic___; Organic Chemical___; Secondary Chemical___; Radiological X___;
Unregulated Organic Purgeable___; Unregulated Organic Pesticide___;
Unregulated Base Neutral Extractable___; Unregulated Acid Extractable___;

I do HEREBY CERTIFY that all data submitted are correct.

Signature: 
Name: Dr. Jefferson S. Flowers

Title: Technical Director
Laboratory: Flowers Chemical Laboratories, Inc.
Date: 03-31-93

Mail Results to the
Appropriate DER or ACPHU Office:

DER /ACPHU Reviewing Official:

PWSA.01 Sample Interpretation (check one):
Effective 06/01/89 Satisfactory Unsatisfactory



General Offices

1000 Color Place
Apopka, FL 32703
(407) 880-0058

January 12, 1993

Ms. Marie Carrasquillo
Florida D.E.R.
3319 Maguire Blvd., Suite 232
Orlando, Florida 32803-3767

Re: Radium 226-228 - Chuluota
P.W.S. I.D.# 3590186

Dear Ms. Carrasquillo:

Please find enclosed for your records the 2nd Quarterly Radium 226-228 analyses for Chuluota.

Your cooperation and assistance is very much appreciated.

Sincerely,

Sam Sparks
Area Supervisor

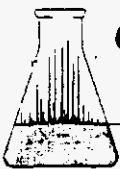
/plb

enc.

cc: Jim Ragsdale w/enc. ✓
Frank Sanderson
Mel Fisher
Priscilla Wampler w/enc.
Seminole County Health Dept w/enc.

3331

1331



ORLANDO LABORATORIES ^{INC.}

P.O. BOX 149127 • ORLANDO, FLORIDA 32814
(407) 896-6645 • FAX: (407) 898-6588

REPORT OF ANALYSIS

Southern States Utilities
1000 Color Place
Apopka, FL 32703

Attn: Sam Sparks

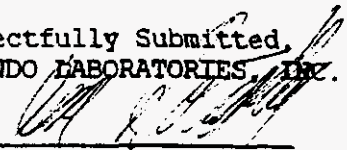
Work Order # : 92-12-429
Date Received: 12/23/92
Date Reported: 01/11/93
OLI Contact: J_BEATO

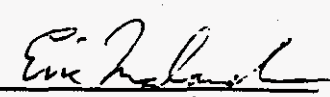
Work ID: 335 Chuluota
Samples collected by: Client
Total Samples: 1

SAMPLE IDENTIFICATION
01 1 Distribution

TEST CODES and NAMES used on this report
226228 Radium 226 & 228 in water

Respectfully Submitted,
ORLANDO LABORATORIES, INC.


Alan Doughty, Ph.D.
LABORATORY DIRECTOR


Eric Malarek
QUALITY CONTROL

3332

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Work ID: 335 Chuluota

Work Order # 92-12-429

SAMPLE ID 1 Distribution
 DATE COLLECTED 12/23/92 11:00:00
 TEST NAME Radium 226 & 228 in water

SAMPLE# 01A
 MATRIX WATER

RADIUM 226

Analysis Date: 12/28/92
 Analyst: MJN

<u>Code</u>	<u>Element</u>	<u>Result</u>	<u>Det. Limit</u>
Rad226	Radium 226	<u>1.4</u>	<u>0.2</u>
Ctn_Err	Counting Error	<u>+/- 0.2</u>	

RADIUM 228

Analysis Date: 12/28/92
 Analyst: MJN

<u>Code</u>	<u>Element</u>	<u>Result</u>	<u>Det. Limit</u>
Rad228	Radium 228	<u><0.7</u>	<u>0.7</u>
Ctn_Err	Counting Error	<u>+/- 0.6</u>	

UNITS pCi/l

3333

1333

ACTION AND TEST CODES FOR WORK NOT REPORTED ELSEWHERE

01A | QC_RAD

3334

• : 1334

Quality Control Data Sheets

Parameter	OLI Sample #	Matrix Spike % Recovery	Matrix Spike Dup % Recovery	Relative Percent Difference	Analysis Date	Analyst
Radium 226	9212402-02	100	103	3	12/28/92	MJN
Radium 228	9212402-02	95	100	5	12/28/92	MJN

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CODES USED IN ORLANDO LABORATORIES, INC. REPORT OF ANALYSIS

< Less Than
 > Greater Than
 CFU Colony Forming Units
 D.O. Diluted Out
 H Greater Than 200 Background Colonies
 I Internal Standards
 J Indicates an Estimated Value
 L Less Than 100 Background Colonies
 M 100 - 200 Background Colonies
 MCL Maximum Contaminant Level
 N No Background Colonies
 NA Not Applicable
 N/C No Combustion
 ND Not Detected
 NR Not Requested
 TNTC Too Numerous To Count
 U Indicates the Compound was analyzed, but not detected.
 The numerical value preceding 'U' is the limit of
 detection for that compound, based on dilution.

ORLANDO LABORATORIES, INC. 1992 CERTIFICATIONS

<u>State</u>	<u>Drinking Water Certification</u>	<u>Environmental Certification</u>
Florida	HRS 83141	HRS E83033
Florida	----	RB 0723 (Radon in Air)
Alabama	40020	Not Required *
Georgia	----	Not Required *
Mississippi	Not Required *	Not Required *
North Carolina	12700	101
South Carolina	96016	Not Required *
Tennessee	02928	UST-listed
Virginia	00248	Not Required *

* Indicates no state certification program is in place and/or state will accept Florida certification.

END OF REPORT

3336

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LANDO LABORATORIES, INC.
 P.O. Box 149127, Orlando, FL 32814
 (407) 896-6645 FAX (407) 898-6588

CHAIN-OF-CUSTODY RECORD
 (INSTRUCTIONS ON BACK)

Page 1 of 1

① INVOICE TO: (Company and Individual) S.S.U. SERVICES, INC.		ADDRESS (City, State, Zip) 1000 Colon Pl. APOPKA, FL.		② CONTACT PERSON/PHONE # INVOICE SAM SPARKS		③ RB NUMBER 9790		④ OLD WORK ORDER #	
⑤ ORIGINAL REPORT TO: (Company and Individual) SAME		ADDRESS (City, State, Zip)		⑥ CONTACT PERSON/PHONE # REPORT 880-0058		⑦ RB NUMBER 9212429			
⑦ (OPTIONAL) ADDITIONAL REPORTS SENT TO: ADDRESS (City, State, Zip)				⑧ CLIENT PROJECT NAME CHULUOTA		⑨ CLIENT PROJECT # 335			
⑩ SAMPLE IDENTIFICATION		⑪ DATE/TIME		⑫ COMP. CHECKED BY		⑬ SAMPLE DESCRIPTION		⑭ NUMBER OF CONTAINERS	
1		12-23-92 11am		✓		Distribution		1	
⑮ REQUESTED ANALYSIS		⑯ REMARKS							
RADIUM 226-228									
TRANSFER NUMBER		⑭ RELINQUISHED BY		⑮ DATE/TIME		⑯ ACCEPTED BY		⑰ ADDITIONAL REMARKS	
1st		[Signature]		12/21/92 1815		[Signature]		Client Pick-up	
2nd		George Hampton		12/23/92 11:45		Mink vtn Day			
3rd								⑱ COOLER #'s	
⑳ SAMPLER'S SIGNATURE									

33337



General Offices

1000 Color Place
Apopka, FL 32703
(407) 880-0058

October 19, 1992

Ms. Marie Carrasquillo
State of Florida D.E.R.
3319 Maguire Blvd., Suite 232
Orlando, Florida 32803-3767

Re: Drinking Water Compliance Analysis
Chuluota Water System P.W.S. I.D. # 3590186

Dear Ms. Carrasquillo:

Please find enclosed for your records, combined radium 226 and 226 analysis for the Chuluota Treatment Plant, in Seminole County.

Your continued cooperation and assistance, as always, is appreciated.

Sincerely,

Sam Sparks
Area Supervisor

/plb

enc.

c: Jim Ragsdale
Frank Sanderson
Mel Fisher
Bruce Paster
File

3338

1338

Received From:
SSU Services
1000 Color Place
Apopka, FL 32703

Date Reported : Oct 8 1992
Project Number : Chuluota
PO Number : N/A
FDHRS Number : 83139
FDER Number : E83018
NCDEHNR Number : 296
SCDHEC Number : 96019

For: WATERSAMPLE
Date Sampled: Aug31 1992 Date Received: Aug31 1992 Lab Number : 14755
REPORT OF ANALYSIS

Parameter	Unit	Method	%ACC	%PRC	14755
		Detection			
		Limit			
Gross alpha excl. Ra	pCi/L	0.100			-
Analysis_Error(Ga)	pCi/L	0.100			-
Radium 226	pCi/L	0.100			2.50
Analysis_Error(226)	pCi/L	0.100			0.100
Radium 228	pCi/L	0.300			<0.300
Analysis_Error(228)	pCi/L	0.300			1.00
Gross_Beta	pCi/L	0.100			-
Analysis_Error(Gb)	pCi/L	0.100			-

Data Release Authorization
Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.
This Report of Analysis may not be reproduced in part.



Andrew B. Harrison
Laboratory Manager

Serving Your Analytical and Environmental Needs Since 1957

Jefferson L. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
481 NEWBURYPORT
P.O. BOX 150-597
ALTAMONTE SPRINGS
FLORIDA 32715-0597
BUS: (407) 239-3584
FAX: (407) 260-6110

3339

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PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number:

Public Water System Name

Public Water System Type (check one):

Community

Non-community

Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number:

HRS 83139

Parameter Group(s) Analyzed:

Turbidity ; Inorganic ; Trihalomethane ;

Volatile Organic ; Organic Chemical ; Secondary Chemical ; Radiological X ;

Unregulated Organic Purgeable ; Unregulated Organic Pesticide ;

Unregulated Base Neutral Extractable ; Unregulated Acid Extractable ;

Subcontracted Lab Certification Number (if any):

For Radiological Parameters: HRS13186

SAMPLE INFORMATION

Sample Date (MMDDYY):

Laboratory Sample Number:

14755

Sample Location (be specific):

Sample Type (check all applicable):

Check

Regular Distribution

Composite

Clearance

Maximum Residence Time

Plant Tap

Raw

Well

Resample

Special

Sampler Name, Title Phone:

ANALYSIS INFORMATION

Extraction Date / /

Laboratory Contact Dr. J.S. Flowers

Resample Requested? (check one):

Yes

No

ANALYSIS SUBMITTED:

Turbidity ; Inorganic ; Trihalomethane ;

Volatile Organic ; Organic Chemical ; Secondary Chemical ; Radiological ;

Unregulated Organic Purgeable ; Unregulated Organic Pesticide ;

Unregulated Base Neutral Extractable ; Unregulated Acid Extractable ;

I do HEREBY CERTIFY that all data submitted are correct.

Signature:

Name

Dr. Jefferson S. Flowers

Mail Results to the

Appropriate DER or ACPHU Office:

Title

Technical Director

Laboratory

Flowers Chemical Laboratories, Inc.

Date

10-07-92

DER /ACPHU Reviewing Official:

PWSA.01

Sample Interpretation (check one):

Effective 06/01/89

Satisfactory Unsatisfactory

Radiological Analysis
17-550.310(5)
(PWS033)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result (pCi/L)	Analytical Method	Det. Limit Used	Analysis Date
4000	Gross alpha excl. Ra & U	14755	5	-	EPA900	0.1	10-07-92
	Analysis Error(Ga)	14755		-	EPA900	0.1	10-07-92
4020	Radium-226	14755		2.5	EPA903.1	0.1	10-07-92
	Analysis_Error(226)	14755		0.1	EPA903.1	0.1	10-07-92
4030	Radium-228	14755		<0.3	EPA904	0.3	10-07-92
	Analysis Error(228)	14755		1.0	EPA904	0.3	10-07-92
4100	Gross beta	14755		-	EPA900	0.1	10-07-92
	Analysis Error(Gb)	14755		-	EPA900	0.1	10-07-92

Comments:

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CHEMICAL LABORATORY INCORPORATED

FDER Lab# 283018
FDHRS Lab# 83139
NCDEHNR Lab# 296
SCDHEC Lab# 86019

ANALYTICAL & CONSULTING CHEMISTS
CHAIN OF CUSTODY RECORD
DRINKING WATER 17-350

(1) Client: S.S.U.
(2) Address: 1000 Cedar Pl, APOPKA
(3) Phone: 866-6058

(4) Public Drinking Water ID #: 329126
(5) Public Water System Name: CHULUOTA

(6) Project #: Chuluota
(8) Public Water System Type

(7) PO#
() Community () Non-Community () Special Non-Community

Table with columns for Preservative (UNO, ZnOAC/taOH), Plastic Containers (60ml, 125ml, 250ml, 500ml, 1L, Whirl-Pac Bag), Glass Containers (40ml, 250ml, 500ml, 1L, 2L, 4L), and NOTES. Includes handwritten 'X' marks and 'Radium 226,228'.

(16)

(17) Kit Relinquished: [Signature]
(17) Date: [Date]
(17) Time: [Time]
(9) Kit Received
(9) Date
(9) Time

(10) Parameter Group(s) Analyzed: Turbidity; Inorganic; Trihalomethane; Volatile Organic; Organic Chemical; Secondary Chemical; Radiological; Unregulated Organic Purgeable; Unregulated Organic Pesticide; Unregulated Base Neutral Extractable; Unregulated Acid Extractable

(18) Laboratory Number: 14755
(11) Client Sample Identification: #1 to #10

(13) Collectors Signature: [Signature] Date: 2-21-92 Time: 2:00 PM
(14) Transporters Signature: [Signature] Date: 2-21-92 Time: 2:30 PM
(15) Lab Acceptance By: [Signature]

**SSU SERVICES
EMERGENCY CAPITAL AUTHORIZATION REQUEST (ECAR)**

PROJECT DESCRIPTION:	<u>2" Watermain Line Replacement</u>		BUDGET YEAR:	<u>1992</u>	
REGION:	<u>Central</u>	WDA:	<u>9200531</u>	ENGR:	
COUNTY:	<u>Seminole</u>	DIVISION:	<u>water</u>	OPER:	<u>X</u>
PLANT NO:	<u>335</u>	PROC MGR:		SEVER:	
PLANT NAME:	<u>Chuluota</u>	AFUDC:	<u>Nb</u>		

This project is required due to: Quality of Service
Purpose & Necessity:

PURPOSE: To replace 3,340 feet of 2" galvanized watermain.

NECESSITY: The watermain to be replaced is estimated to be approximately 35 - 40 years old and has aged to the point that there is a tremendous amount of rust and tuberculation build up on the inside of the pipes. This ageing and build up process has significantly reduced the volume and water pressure to the customers served off these mains to the point where water pressure complaints are continuous. In addition, we are receiving complaints of soiled/damaged clothing as a result of dirty/rusty water requiring the Company to reimburse customers for their damaged articles.

CONSEQUENCE: Failure to replace the aged watermain will result in a continuation of customer complaints about poor quality of service (low pressure and dirty water) as well as expose the Company to additional expenses for replacing customers soiled/damaged laundry articles (i.e. clothing, towels, sheets, etc.)

COST ESTIMATES	HOURS	PRICE YR(S)	BUDGET YEAR	AFTER YR(S)	TOTAL PROJECT
Engineering Labor			1000		1000
Construction Labor	480		4800		4800
Miscellaneous Labor					
Material			3270		3270
Land					
Contract					
Engineering					
Legal					
Construction					
Other Permit			250		250
Contingencies					
Subtotal:			9320		9320
Overhead			932		932
Service			10252		10252

TOTAL
 NOTE: This table is only for a representation of Budget Year Total.

	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
MONTHLY EXPENSE										
MONTHLY SERVICE										
TOTAL										

Originator: [Signature] Date: 9/11/92 Supervisor: _____ Date: _____
 President: [Signature] Date: 9/21



General Offices

1000 Color Place
Apopka, FL 32703
(407) 880-0058

WO# 92CC531

December 11, 1992

Mr. Frank P. Huttner, Section Supervisor
Florida Department of Environmental Regulation
Drinking Water Permitting
3319 Maguire Blvd., Suite 232
Orlando, Florida 32803

Re: Seminole County - PW
Replacement for Chuluota Water Distribution
System for 2nd and 3rd Street
~~Required FDER~~
Permit - None

Dear Mr. Huttner:

We are submitting the following:

1. Signed and sealed Record Drawings (attached).
2. The results of sampling and analysis for this project (attached).

If you need any additional information, please call me at 884-8777, extension 437.

Sincerely,

SOUTHERN STATES UTILITIES, INC.

Philip W. Story

Philip W. Story
Assistant Engineer II

PS:vs

Enclosure

- c:
- Chris Arcand
 - Don Corder
 - Bruce Paster
 - Jim Ragsdale
 - Ralph Terrero

3344

1344

REPORT OF ANALYSIS

Southern States Utilities
1000 Color Place
Apopka, Florida 32703
Attention: Mr Sam Sparks

Work Order = : 92-11-19
Date Received : 11/03/92
Date Reported : 11/04/92
TTA Contact : L. Trytek

Work ID : Chuluto
Plant ID : 335
Total Samples: 3
System ID = : 359-0186

Sampling information is based on data supplied by Client.

Respectfully Submitted,
Tri-Tech Laboratories, Inc.


Linda Trytek

Microbiologist

"HELP SAFEGUARD YOUR FUTURE AND YOUR HEALTH" CALL TTA TODAY!

HRS # 83359 & # E83294

DER # 900405G

3345

1345

REPORT OF ANALYSIS
RESULTS BY SAMPLES

Tri-Tech Laboratories, Inc.

Work Order # : 92-11-19

Date Received : 11/03/92

Date Collected: 11/03/92 12:30pm

Matrix : Water

Test Name : Total Coliform

Test Code : TL-COL

<u>SAMPLE ID</u>	<u>RESULT</u>	<u>pH</u>	<u>Cl Rsd.</u>
1. Blowoff Jacobs N 3rd	<u><1/L (A)</u>	<u>7.2</u>	<u>1.2</u>
2. Blowoff 2nd St N 3rd	<u><1/L (A)</u>	<u>7.2</u>	<u>0.9</u>
3. Blowoff 3rd & 4th St	<u><1/L (A)</u>	<u>7.2</u>	<u>1.2</u>

Date and Time of Setup: 11/03/92 3:30pm

Date and Time Read....: 11/04/92 3:30pm

Analyst: Linda Trytek

FINAL REPORT

3346

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RECEIVED NOV 12 1992

TRI-TECH LABORATORIES, INC.
 P.O. BOX 140966
 ORLANDO, FLORIDA 32814-0966 - CT
 HRS# 83359
 SAMPLES RECEIVED: 11/03/92 3:00PM

SYSTEM NAME: Chuluota SYSTEM ID#: 3590196 SYSTEM PHONE: 880-0058
 ADDRESS: 1000 Color Place Apopka COUNTY: Seminole DER DISTRICT: 03
 COLLECTOR: Jerome Hampton COLLECTOR PHONE: same
 SAMPLE SITE (Locality or Subdivision): Chuluota
 DATE AND TIME COLLECTED: 12:30 pm 11-3-92
 TYPE OF SUPPLY (CIRCLE ONE): (~~Community Water System~~) Non-Community Water System Private Well
 Nontransient- Noncommunity Water System Other Public Water System Bottled Water
 TYPE OF SAMPLE (Circle One): Compliance ~~Repeat~~ Replacement Main Clearance
 Well Survey Other:
 (Check Box): () Distribution () Raw () TNTC or C () Turbid
 REMARKS:

TO BE COMPLETED BY COLLECTOR				TO BE COMPLETED BY LABORATORY				
				ANALYSIS METHOD: <u>MF</u> MFT MMO-MUG PA				
COL. NO.	SAMPLE POINT (SPECIFIC ADDRESS)	CL. RES'D	pH	SAMPLE NO.	NON COLIFORM	* TOTAL	CONFIRM TOTAL	CONFIRM FECAL
1	Blowoff: <u>JACOBS 3RD CT. AVE. C</u>	<u>1.2</u>	<u>7.2</u>	92-11-19-1		A		
2	Blowoff: <u>2ND ST 30 CT AVE. C</u>	<u>0.9</u>	<u>7.2</u>	92-11-19-2		A		
3	Blowoff: <u>3RD CT + 4TH ST</u>	<u>1.2</u>	<u>7.2</u>	92-11-19-3		A		

* Results in this column are preliminary. Fecal Coliform confirmation on Community and Non-Community Water Systems and Total Coliform confirmation on all types of Water Systems will follow in 24 - 48 hours.

P-Coliform are present C-Confluent Growth TA-Turbid, Absence of Gas or Acid
 A-Coliform are absent TNTC-Too Numerous to Count

INTERPRETATIONS-REMARKS OF PROGRAM REVIEWER

PERSON TO RECEIVE REPORT

Southern States Utilities
 1000 Color Place
 Apopka, Florida 32703
 Att: Mr Sam Sparks

- ()
- (X) SATISFACTORY
- () INCOMPLETE COLL. INFO.
- () REPEAT SAMPLES
- () REPLACEMENT SAMPLES

REVIEWING OFFICER: [Signature]
 TITLE: [Signature]

3348
 1348

REPORT OF ANALYSIS

southern States Utilities
1000 Color Place
Apopka, Florida 32703
Attention: Mr Sam Sparks

Work Order = : 92-11-52
Date Received : 11/04/92
Date Reported : 11/05/92
TTA Contact : L. Trytek

Work ID : 00110
Plant ID : 335
Total Samples: 3
System ID = : 359-0186

Sampling information is based on data supplied by Client.

Respectfully Submitted,
Tri-Tech Laboratories, Inc.



Linda Trytek

Microbiologist

"HELP SAFEGUARD YOUR FUTURE AND YOUR HEALTH" CALL TTA TODAY!

HRS # 83359 & E83294

DER # 900405G

1349

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REPORT OF ANALYSIS
RESULTS BY SAMPLES

Tri-Tech Laboratories, Inc.

Work Order = : 92-11-52

Date Received : 11/04/92

Date Collected: 11/04/92 1:30pm

Matrix : Water

Test Name : Total Coliform

Test Code : TL-COL

<u>SAMPLE ID</u>	<u>RESULT</u>	<u>pH</u>	<u>Cl Rsd.</u>
1. Blowoff Jacob N 3rd	<u><1/L (A)</u>	<u>7.2</u>	<u>1.0</u>
2. Blowoff Ave C & 2nd	<u><1/L (A)</u>	<u>7.2</u>	<u>1.0</u>
3. Blowoff Ave C & 4th St	<u><1/L (A)</u>	<u>7.2</u>	<u>1.0</u>

Date and Time of Setup: 11/04/92 2:35pm

Date and Time Read.....: 11/05/92 2:35pm

Analyst: Linda Irytek

FINAL REPORT

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INVOICE TO (COMPANY AND INDIVIDUAL) Southern States Util. 1000 Color Place Apopka, Fl. 32703		ADDRESS (CITY STATE ZIP)		CONTACT PERSON PHONE # INVOICE Mr. Sam Sparks		IITA WORK ORDER # (LAB USE) 52-2-11-20					
CONTACT REPORT TO (COMPANY AND INDIVIDUAL)		ADDRESS (CITY STATE ZIP)		CONTACT PERSON PHONE # REPORT 880-0058							
CLIENT PROJECT NAME Chuluota		CLIENT PROJECT # 3590186		REQUESTED ANALYSIS <i>TL-106</i>							
SAMPLE IDENTIFICATION		DATE-TIME						COMP		GRAB	
SAMPLE DESCRIPTION		PH						WATER		SOIL	
OTHER		NUMBER OF CONTAINERS						REMARKS			
1	JACOBS + 3rd. Cr. Blowoff	11/4/92	1:30 PM			X		1			
2	Ave C + 3rd St. Blowoff					X		1			
3	Ave C + 4th St Blowoff					X		1			
4											
5											
6											
7											
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13											
RECEIVED BY Linda Trytek		DATE-TIME 11-4-92		ACCEPTED BY <i>B. Crews</i>		ADDITIONAL REMARKS		COMMENTS			
RECEIVED BY 9351		DATE-TIME 11-4-92		ACCEPTED BY 7:30 pm		ADDITIONAL REMARKS <i>George Hampton</i>		COMMENTS			

REPORT OF ANALYSIS

Southern States Utilities
1000 Color Place
Apopka, Florida 32703
Attention: Mr Sam Sparks


Work Order = : 92-11-177
Date Received : 11/12/92
Date Reported : 11/13/92
TTA Contact : L. Trytek

Plant ID : 001020
Plant ID : 305
Total Samples: 2
System ID = : 359-0186

Sampling information is based on data supplied by Client.

Respectfully Submitted,

Tri-Tech Laboratories, Inc.


Linda Trytek

Microbiologist

"HELP SAFEGUARD YOUR FUTURE AND YOUR HEALTH" CALL TTA TODAY!

HRS # 83359 & # E83294

DER # 900405G

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REPORT OF ANALYSIS
RESULTS BY SAMPLES

Tri-Tech Laboratories, Inc. Work Order = : 92-11-177

Date Received : 11/12/92

Date Collected: 11/12/92 8:00pm Matrix : Water

Test Name : Total Coliform Test Code : TL-COL

<u>SAMPLE ID</u>	<u>RESULT</u>	<u>pH</u>	<u>Cl Rsd.</u>
1. Blowoff East end of Alley 3rd & 2nd St	<u><1/L (A)</u>	<u>7.1</u>	<u>0.9</u>
2. Blowoff East end of Alley 3rd ct & 2nd St	<u><1/L (A)</u>	<u>7.1</u>	<u>0.8</u>

Date and Time of Setup: 11/12/92 4:20pm

Date and Time Read....: 11/13/92 4:20pm

Analyst: Linda Trytek

FINAL REPORT

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CHAIN-OF-CUSTODY RECORD

Tri-Tech Laboratories, Inc.
 (407) 275-8463 • FAX 281-9187

1 O. Box 140966, Orlando, FL 32814-0966

Page 1 of 1

RECEIVED BY (COMPANY OR INDIVIDUAL) Southern States Util. 1000 Color Place Apopka, Fl. 32703		ADDRESS (CITY, STATE, ZIP)		CONTACT PERSON (PHONE & INVOICE #) Mr Sam Sparks		ITA WORK ORDER # (BAR USE) 92-11-177		
RECEIVED BY (COMPANY OR INDIVIDUAL)		ADDRESS (CITY, STATE, ZIP)		CONTACT PERSON (PHONE & REPORT #) 880-0058		REQUESTED ANALYSIS <i>H.C.A.</i>		
GENERAL ADDITIONAL REPORTS SENT TO		ADDRESS (CITY, STATE, ZIP)		CLIENT PROJECT # 3590186		NUMBER OF CONTAINERS		
CLIENT SITE NAME Chuluota		CLIENT PROJECT #		SAMPLE DESCRIPTION		REMARKS		
SAMPLE IDENTIFICATION	DATE/TIME	COMP	GRAB	WATER	SOIL	OTHER	NUMBER OF CONTAINERS	REMARKS
1. <i>Bicwoff EAST end of Alley 3rd & 3rd st.</i>	<i>11/10-92 8:00 AM</i>			<input checked="" type="checkbox"/>			1	
2. <i>Bicwoff EAST end of Alley 3rd Ct. & J st.</i>				<input checked="" type="checkbox"/>			1	
3.								
4.								
5.								
6.								
7.								
8.								
9.								
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RECEIVED BY Linda Trytek	DATE/TIME	ACCEPTED BY <i>B. Crew 11-12-92</i>
RECEIVED BY	DATE/TIME	ACCEPTED BY <i>Lisa pm</i>

ADDITIONAL REMARKS

COMMENTS

T. Hamilton

REPORT OF ANALYSIS

Southern States Utilities
1900 Color Place
Apopka, Florida 32703
Attention: Mr Sam Sparks

Work Order # : 92-11-178
Date Received : 11/12/92
Date Reported : 11/13/92
TTA Contact : L. Trytek

Work ID : Chuluota
Plant ID : 335
Total Samples: 2
System ID # : 359-0186

Sampling information is based on data supplied by Client.

Respectfully Submitted,

Tri-Tech Laboratories, Inc.



Linda Trytek

Microbiologist

"HELP SAFEGUARD YOUR FUTURE AND YOUR HEALTH" CALL TTA TODAY!

HRS # 83359 & # E83294

DER # 900405G

3355

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REPORT OF ANALYSIS
RESULTS BY SAMPLES

Iri-Tech Laboratories, Inc.

Work Order = : 92-11-178

Date Received : 11/12/92

Date Collected: 11/12/92 3:00pm

Matrix : Water

Test Name : Total Coliform

Test Code : TL-COL

<u>SAMPLE ID</u>	<u>RESULT</u>	<u>pH</u>	<u>Cl Rsd.</u>
1. #3 Blowoff East end of Alley 3rd & 2nd St	<u><1/L (A)</u>	<u>7.1</u>	<u>0.9</u>
2. #4 Blowoff East end of Alley 3rd ct & 2nd St	<u><1/L (A)</u>	<u>7.1</u>	<u>0.8</u>

Date and Time of Setup: 11/12/92 4:20pm

Date and Time Read....: 11/13/92 4:20pm

Analyst: Linda Irvtek

FINAL REPORT

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CHAIN-OF-CUSTODY RECORD

Tri-Tech Laboratories, Inc.
 (407) 275-8463 • FAX 281-9187

P.O. Box 140966, Orlando, FL 32814-0966

Page 1 of 1

RECORD FOR COMPANY AND/OR INDIVIDUAL Southern States Util. 1000 Color Place Apopka, FL 32703		ADDRESS (CITY, STATE, ZIP) Southern States Util. 1000 Color Place Apopka, FL 32703		CONTACT PERSON (PHONE # & INVOICE) Mr Sam Sparks		PTA WORK ORDER # (LAB USE) 92-11-178			
RECORD FOR INDIVIDUAL Chuluota		CLIENT PROJECT # 3590186		CONTACT PERSON (PHONE # & REPORT) 880-0058		REQUESTED ANALYSIS F.I. Co.			
NO.	DATE TIME	CCMP	GRAB	WATER	SOIL	OTHER	SAMPLE DESCRIPTION	NUMBER OF CONTAINERS	REMARKS
3	11/12-92 3:00 PM			X			Ch. Res'd PH	1	
4				X			1.0 7.1	1	
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ANALYZED BY Linda Trytek		DATE TIME 11-12-92 4:00 PM		ACCEPTED BY B. Crew		ADDITIONAL REMARKS J. Hampton		COMMENTS	

1357
 3357

REPORT OF ANALYSIS

Southern States Utilities
1000 Color Place
Apopka, Florida 32703
Attention: Mr Sam Sparks

Work Order = : 92-11-186
Date Received : 11/13/92
Date Reported : 11/14/92
TTA Contact : L. Trytek

Work ID : Chuluota
Plant ID : 335
Total Samples: 2
System ID # : 359-0186

Sampling information is based on data supplied by Client.

Respectfully Submitted,
Tri-Tech Laboratories, Inc.



Linda Trytek

Microbiologist

"HELP SAFEGUARD YOUR FUTURE AND YOUR HEALTH" CALL TTA TODAY!

HRS # 83359 & # E83294

DER # 900405G

3358

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REPORT OF ANALYSIS
RESULTS BY SAMPLES

Tri-Tech Laboratories, Inc. Work Order = : 92-11-186

Date Received : 11/13/92

Date Collected: 11/13/92 9:00-9:30am Matrix : Water

Test Name : Total Coliform Test Code : TL-COL

<u>SAMPLE ID</u>	<u>RESULT</u>	<u>pH</u>	<u>Cl Rsd.</u>
1. 3 Court Ave C	<u><1/L (A)</u>	<u>---</u>	<u>0.8</u>
2. 3 Court Ave C	<u><1/L (A)</u>	<u>---</u>	<u>0.6</u>

Date and Time of Setup: 11/13/92 2:20pm

Date and Time Read....: 11/14/92 2:20pm

Analyst: Linda Trytek

FINAL REPORT

3359

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CHAIN-OF-CUSTODY RECORD

Tech Laboratories, Inc.
 (407) 275-8463 • FAX 281-9187

P.O. Box 140966, Orlando, FL 32814-0966

Page 1 of 1

(CLIENT) COMPANY AND INDIVIDUAL Southern States Util. 1000 Color Place Apopka, FL 32703		ADDRESS (CITY STATE ZIP)		CONTACT PERSON PHONE & INVOICE Mr Sam Sparks		TTA WORK ORDER # (LAB USE) 92-11-186			
(CLIENT) REPORT TO (COMPANY AND INDIVIDUAL)		ADDRESS (CITY STATE ZIP)		CONTACT PERSON PHONE & REPORT 880-0058					
(CLIENT) ADDITIONAL REPORTS SENT TO		ADDRESS (CITY STATE ZIP)		REQUESTED ANALYSIS BACT					
CLIENT PROJECT NAME 3 Court Ave C Chuluoto		CLIENT PROJECT #							
SAMPLE IDENTIFICATION	DATE/TIME	COMP	GRAB	(WATER)	SOIL	OTHER	SAMPLE DESCRIPTION	NUMBER OF CONTAINERS	REMARKS
1 3 Court Ave C	11/17/92 Am Pic 9:30			X			pH 7.2 Cl Res 0.8	1	
2 3 Court Ave C				X			7.2 0.6	1	
3									
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REQUESTED BY
Linda Trytek

DATE/TIME

ACCEPTED BY
B. Crews 11-13-92
 '00 pm

ADDITIONAL REMARKS

COLLECTOR

DIRECTIONS: Legibly complete application as required. Submit in quadruplicate with three sets of detailed construction plans. See conditions on reverse of this permit. For assistance, contact the Seminole County Engineer.

Section I APPLICANT INFORMATION

APPLICANT'S NAME Philip W. Story FIRM/UTILITY NAME: Southern States Utilities, Inc.
 ADDRESS: 1000 Color Place, Apopka, FL 32703 PHONE NUMBER: (407) 880.0058 Ext. 437
 CONTACT: _____ Ext. _____

Section II PROJECT INFORMATION

SITE - R/W USE ONLY NAME _____
 SUBDIVISION - R/W USE ONLY NAME _____

ENGINEER'S ESTIMATE/CONTRACT TOTAL PRICE RELATIVE TO SITE OR SUBD. \$ _____

RIGHT-OF-WAY UTILIZATION - (All other construction within Seminole County Public Rights-of-Way/Easements not addressed under a Site or Subdivision permit.)

LOCATION OF PROPOSED CONSTRUCTION: 2nd St/3rd St/3rd Ct Chuluota Main Replacement Project
 SECTION 21 TOWNSHIP 21 RANGE 32

DESCRIPTION OF PROPOSED CONSTRUCTION:

BORE & JACK <u>7</u> total	OPEN CUTS PAVED _____ total	OPEN CUTS UNPAVED _____ total
POLE INSTALLATIONS _____ total	POLES USED UPGRADE _____ total	TRENCH FOOTAGE <u>3210</u> F./WIDTH <u>1</u> FT.
RESIDENTIAL DRIVEWAY - <input type="checkbox"/>	COMMERCIAL DRIVEWAY - <input type="checkbox"/>	OPENING PLATTED ROAD RIGHT-OF-WAY - <input type="checkbox"/>
LANDSCAPING - <input type="checkbox"/>	EMERGENCY REPAIRS/REPAIR EXISTING FACILITIES - <input type="checkbox"/>	
DESCRIBE OTHER CONSTRUCTION:	Replacement of Existing Mains	

SECTION III LOCATION OF EXISTING UTILITIES

(All existing utilities/facilities must be located prior to construction)

WATER _____ ELECTRIC Florida Power Corp.
 SEWER _____ CATV _____
 TELEPHONE United Telephone of FL OTHER _____
 GAS People's GAS Location Request ID No. 421002061 (Required information for permit processing)

THE SEMINOLE COUNTY ENGINEER MUST BE CONTACTED A MINIMUM OF 24 HOURS AND A MAXIMUM OF 48 HOURS PRIOR TO ANY CONSTRUCTION.

Section IV ENGINEER/CONTRACTOR AND/OR OWNER/AUTHORIZED AGENT SIGNATURES

I/WE REPRESENT THAT THE ABOVE STATEMENTS AND THE INFORMATION, STATEMENTS AND REPRESENTATIONS ON MATERIALS SUBMITTED HERewith IS TRUE. I/WE ARE PROVIDING THESE MATTERS TO INDUCE SEMINOLE COUNTY TO ISSUE A CONSTRUCTION PERMIT. I/WE AGREE WITH ALL CONDITIONS IMPOSED BY SEMINOLE COUNTY.

TITLE: _____ DATE: _____ ENGINEER/CONTRACTOR SIGNATURE _____
 TITLE: A.T. ENG. II DATE: 10.5.92 OWNER/AUTHORIZED AGENT SIGNATURE [Signature]

Section V PERMIT ACTION

APPROVED - APPROVED WITH SPECIFIC CONDITIONS - DENIED -





















PERMIT NO. 9210-U-5735 Fee: \$ 939.18 RECEIPT NO. _____ ATTACHMENTS - YES - NO -
 APPROVAL DATE: 10-06-92
 EXPIRATION DATE: 12-06-92 APPLICATION APPROVED BY: [Signature] For the County Engineer

SECTION V INSPECTION RECORD

CONSTRUCTION COMMENCEMENT DATE: _____ COMMENTS: _____
 CONSTRUCTION COMPLETION DATE: _____
 INSPECTOR: _____

... AND REMAINED VILE AS SHOWN.

SYMBOLS LEGEND

EXISTING		PROPOSED
	TEE	
	CROSS	
	GATE VALVE	
	REDUCER	
	PLUG	
	BLOW OFF	
	ELBOW	
	HYDRANT ASSEMBLY	
	DOUBLE SERVICE	
	SINGLE SERVICE	

**S BUILT
2-01-92**

LAN	<i>Original to Court</i>	PROJECT No.
		C-1
BRUCE PASTER, P.E. REGISTERED ENGINEER NO. 41144 STATE OF FLORIDA		SHEET <u>4</u> OF <u>6</u>

STATUS OF QUALITY OF SERVICE

System Name: Hermits Cove - Water

Status Report Date: 5/14/93

County: Putnam

Area of Resp. Env. Services

I. Deficiency: Manganese exceeds MCL.

II. Corrective Action: Retest for manganese as it was believed that the lab test originally performed were not correct.

III. Current Status: Attached are the lab test results for manganese. The results indicate the samples were within the specified MCL for manganese.

IV. Estimated Completion Date: Retesting completed in November 1992.

Distribution:

Region Manager:

Area Supervisor:

Engineering:

Environmental Services:

Rates:

Operations Administration:

3363
1363



December 22, 1992

Mr. James Maher, P.E.
 Florida Department of Environmental Regulation
 Northeast District
 Suite B200
 7825 Baymeadows Way
 Jacksonville, FL 32256

Re: Pomona Park and Hermits Cove
 Analysis for Manganese

Dear Mr. Maher:

Enclosed are laboratory analysis reports from three different laboratories which performed a Manganese (Mn) test on drinking water samples from our Pomona Park and Hermits Cove water systems. For your convenience, the following table summarizes these reports:

POMONA PARK			
Date of Sample	Technical Services, Inc. Mn (mg/l)	Flowers Chem. Labs Mn (mg/l)	Enviropact Mn (mg/l)
Oct. 28, 1992	<0.03	0.00218	<0.01
Oct. 29, 1992	<0.03		<0.01
Oct. 30, 1992	<0.03		<0.01
HERMITS COVE			
Oct. 28, 1992	<0.03	<0.0000400	<0.01
Oct. 29, 1992	<0.03	0.0000660	<0.01
Oct. 30, 1992	<0.03	<0.0000400	<0.01

Mr. James Maher, P.E.
December 22, 1992
Page 2

I am convinced that previous laboratory analyses for Mn submitted earlier this year were incorrect for these systems. Southern States Utilities experienced numerous MCL "violations" for Mn at plants throughout the state in late 1991 early 1992. All original analyses were performed by Flowers Labs. Subsequent samples collected and split between various laboratories have shown Mn to be below the MCL and practically non-detectable.

We respectfully request that the attached reports be considered as re-checks for Pomona Park and Hermits Cove. I apologize very much for the delay in submitting this information to you. Please call me if you need additional information.

Sincerely,



Melvin E. Fisher
Environmental Compliance
Administrator

MF:dp

Encl.

dp\m\maher.121

3365
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bc: **Bill Cross**
Mary Glennon
Robert Regalado
Joe Roberts
Frank Sanderson
Karla Olson Teasley
Rafael Terrero
Paul Thompson
Chuck Wood

3366

1366

RECEIVED

SSU ENGINEERING
MEMORANDUM

NOV 25 1992

ENVIRONMENTAL
SERVICES

DATE: 11/23/92
TO: Mel Fisher, Catherine Walker, Rafael Terrero
FROM: Robert Regalado
RE: Pitman County Surveys - Pomona Park WTP and
Hermita Cove WTP.

At the request of Paul Thompson, I am forwarding
the attached copies of the rechecks for manganese.

Paul had samples rechecked by three certified labs
(Envirospact, Inc. / Flowers Lab / Technical Services)
and all passed for both plants.

Please forward this data to FDER and request
them to consider these new results in an
effort to waive the need for further WTP
Improvements (at this time).

Thank you for your assistance with this situation.
Robert

cc. Tae Rabute w/o encl.
Paul Thompson w/o encl.
C.E. Wood w/o encl. 367

CAO FILE: E MEMO

3367

TECHNICAL SERVICES, INC.
PUBLIC DRINKING WATER ANALYSIS REPORTING

PUBLIC WATER SYSTEM INFORMATION: SSU Services
Public Water System I.D. Number: 2540905
Public Water System Name: Pomona Park
Public Water System Type: Community

PUBLIC CERTIFICATION INFORMATION:
Lab Certification Number: FDHRS #82145
Parameter Groups Analyzed: Manganese
Subcontracted Lab Number (If Any): Not Applicable

SAMPLE INFORMATION:
Sample Date: October 28, 1992 @ 1545
Laboratory Sample Number: 9210541-1
Sample Location (be specific): Plant #443
Sample Type: Regular Distribution

Sampler's Name and Title: Paul Thompson
Sampler's Company: SSU Services
Sampler's Phone Number: (904) 649-8673

ANALYSIS INFORMATION:
Collection Date: Not Applicable
Laboratory Contact: Mr. Walter Mock
Resample Request: NO
Analyses Submitted: Manganese

I DO HEREBY CERTIFY TO THE BEST OF MY KNOWLEDGE AND BELIEF THAT ALL DATA
SUBMITTED ARE CORRECT.

James O. Burden
Laboratory Director
TECHNICAL SERVICES, INC.

Date: November 6, 1992

Results mailed to appropriate DER/ACPHU Office by: Customer

DER/ACPHU REVIEWING OFFICIAL

Sample Interpretation (Check One)
() Satisfactory () Unsatisfactory

3368

1368

TECHNICAL SERVICES, INC.
290L DANESE STREET
JACKSONVILLE, FLORIDA 32206
(904) 353-5761

SECONDARY CHEMICAL ANALYSIS
17-550.320
(PWS031)

Parameter ID NAME	Sample Number	Analysis Result (mg/L)	Analytical Method	Analysis Date
1032 Manganese	9210541-1	<0.03	EPA243.1	11-02-92

3369
1369

TECHNICAL SERVICES, INC.
PUBLIC DRINKING WATER ANALYSIS REPORTING

PUBLIC WATER SYSTEM INFORMATION: SSU Services
Public Water System I.D. Number: 2540905
Public Water System Name: Pomona Park
Public Water System Type: Community

PUBLIC CERTIFICATION INFORMATION:
Lab Certification Number: FDHRS #82145
Parameter Groups Analyzed: Manganese
Subcontracted Lab Number (If Any): Not Applicable

SAMPLE INFORMATION:
Sample Date: October 29, 1992 @ 1444
Laboratory Sample Number: 9210541-2
Sample Location (be specific): Plant #443
Sample Type: Regular Distribution

Sampler's Name and Title: Paul Thompson
Sampler's Company: SSU Services
Sampler's Phone Number: (904) 649-8673

ANALYSIS INFORMATION:
Collection Date: Not Applicable
Laboratory Contact: Mr. Walter Mock
Resample Request: NO
Analyses Submitted: Manganese

I DO HEREBY CERTIFY TO THE BEST OF MY KNOWLEDGE AND BELIEF THAT ALL DATA
SUBMITTED ARE CORRECT.

James C. Burden
Laboratory Director
TECHNICAL SERVICES, INC.

Date: November 6, 1992

Results mailed to appropriate DER/ACPHU Office by: Customer

DER/ACPHU REVIEWING OFFICIAL

Sample Interpretation (Check One)
() Satisfactory () Unsatisfactory

3370

1370

TECHNICAL SERVICES, INC.
290L DANESE STREET
JACKSONVILLE, FLORIDA 32206
(904) 353-5761

SECONDARY CHEMICAL ANALYSIS
17-550.320
(PWS031)

Parameter ID NAME	Sample Number	Analysis Result (mg/L)	Analytical Method	Analysis Date
1032 Manganese	9210541-2	<0.03	EPA243.1	11-02-92

3371

1371

TECHNICAL SERVICES, INC.
PUBLIC DRINKING WATER ANALYSIS REPORTING

PUBLIC WATER SYSTEM INFORMATION: SSU Services
Public Water System I.D. Number: 2540905
Public Water System Name: Pomona Park
Public Water System Type: Community

PUBLIC CERTIFICATION INFORMATION:
Lab Certification Number: FDHRS #82145
Parameter Groups Analyzed: Manganese
Subcontracted Lab Number (If Any): Not Applicable

SAMPLE INFORMATION:
Sample Date: October 30, 1992 @ 0915
Laboratory Sample Number: 9210541-3
Sample Location (be specific): Plant #443
Sample Type: Regular Distribution

Sampler's Name and Title: Paul Thompson
Sampler's Company: SSU Services
Sampler's Phone Number: (904) 649-8673

ANALYSIS INFORMATION:
Fraction Date: Not Applicable
Laboratory Contact: Mr. Walter Mock
Resample Request: NO
Analyses Submitted: Manganese

I DO HEREBY CERTIFY TO THE BEST OF MY KNOWLEDGE AND BELIEF THAT ALL DATA
SUBMITTED ARE CORRECT.

James A. Burden
Laboratory Director
TECHNICAL SERVICES, INC.

Date: November 6, 1992

Results mailed to appropriate DER/ACPHU Office by: Customer

DER/ACPHU REVIEWING OFFICIAL

Sample Interpretation (Check One)
() Satisfactory () Unsatisfactory

3372

1372

TECHNICAL SERVICES, INC.
290L DANESE STREET
JACKSONVILLE, FLORIDA 32206
(904) 353-5761

SECONDARY CHEMICAL ANALYSIS
17-550.320
(PWS031)

Parameter ID NAME	Sample Number	Analysis Result (mg/L)	Analytical Method	Analysis Date
1032 Manganese	9210541-3	<0.03	EPA243.1	11-02-92

3373

1373

TECHNICAL SERVICES, INC.
PUBLIC DRINKING WATER ANALYSIS REPORTING

PUBLIC WATER SYSTEM INFORMATION: SSU Services
Public Water System I.D. Number: 2540905
Public Water System Name: Pomona Park
Public Water System Type: Community

PUBLIC CERTIFICATION INFORMATION:
Lab Certification Number: FDHRS #82145
Parameter Groups Analyzed: Manganese
Subcontracted Lab Number (If Any): Not Applicable

SAMPLE INFORMATION:
Sample Date: October 28, 1992 @ 1545
Laboratory Sample Number: 9210541-1
Sample Location (be specific): Plant #443
Sample Type: Regular Distribution

Sampler's Name and Title: Paul Thompson
Sampler's Company: SSU Services
Sampler's Phone Number: (904) 649-8673

ANALYSIS INFORMATION:
E Action Date: Not Applicable
Laboratory Contact: Mr. Walter Mock
Resample Request: NO
Analyses Submitted: Manganese

I DO HEREBY CERTIFY TO THE BEST OF MY KNOWLEDGE AND BELIEF THAT ALL DATA SUBMITTED ARE CORRECT.

James O. Burden
Laboratory Director
TECHNICAL SERVICES, INC.

Date: November 6, 1992

Results mailed to appropriate DER/ACPHU Office by: Customer

DER/ACPHU REVIEWING OFFICIAL

Sample Interpretation (Check One)
() Satisfactory () Unsatisfactory

TECHNICAL SERVICES, INC.
290L DANESE STREET
JACKSONVILLE, FLORIDA 32206
(904) 353-5761

SECONDARY CHEMICAL ANALYSIS
17-550.320
(PWS031)

Parameter ID NAME	Sample Number	Analysis Result (mg/L)	Analytical Method.	Analysis Date
1032 Manganese	9210541-1	<0.03	EPA243.1	11-02-92

3375
1375

TECHNICAL SERVICES, INC.
PUBLIC DRINKING WATER ANALYSIS REPORTING

PUBLIC WATER SYSTEM INFORMATION: SSU Services
Public Water System I.D. Number: 2540905
Public Water System Name: Pomona Park
Public Water System Type: Community

PUBLIC CERTIFICATION INFORMATION:
Lab Certification Number: FDHRS #82145
Parameter Groups Analyzed: Manganese
Subcontracted Lab Number (If Any): Not Applicable

SAMPLE INFORMATION:
Sample Date: October 29, 1992 @ 1444
Laboratory Sample Number: 9210541-2
Sample Location (be specific): Plant #443
Sample Type: Regular Distribution

Sampler's Name and Title: Paul Thompson
Sampler's Company: SSU Services
Sampler's Phone Number: (904) 649-8673

ANALYSIS INFORMATION:
Effective Date: Not Applicable
Laboratory Contact: Mr. Walter Mock
Resample Request: NO
Analyses Submitted: Manganese

I DO HEREBY CERTIFY TO THE BEST OF MY KNOWLEDGE AND BELIEF THAT ALL DATA
SUBMITTED ARE CORRECT.

James C. Burden
Laboratory Director
TECHNICAL SERVICES, INC.

Date: November 6, 1992

Results mailed to appropriate DER/ACPHU Office by: Customer

DER/ACPHU REVIEWING OFFICIAL

Sample Interpretation (Check One)
() Satisfactory () Unsatisfactory

3376

1376

TECHNICAL SERVICES, INC. ..
290L DANESE STREET
JACKSONVILLE, FLORIDA 32206
(904) 353-5761

SECONDARY CHEMICAL ANALYSIS
17-550.320
(PWS031)

Parameter ID NAME	Sample Number	Analysis Result (mg/L)	Analytical Method	Analysis Date
1032 Manganese	9210541-2	<0.03	EPA243.1	11-02-92

3377
1377

TECHNICAL SERVICES, INC.
PUBLIC DRINKING WATER ANALYSIS REPORTING

PUBLIC WATER SYSTEM INFORMATION: SSU Services
Public Water System I.D. Number: 2540905
Public Water System Name: Pomona Park
Public Water System Type: Community

PUBLIC CERTIFICATION INFORMATION:
Lab Certification Number: FDHRS #82145
Parameter Groups Analyzed: Manganese
Subcontracted Lab Number (If Any): Not Applicable

SAMPLE INFORMATION:
Sample Date: October 30, 1992 @ 0915
Laboratory Sample Number: 9210541-3
Sample Location (be specific): Plant #443
Sample Type: Regular Distribution

Sampler's Name and Title: Paul Thompson
Sampler's Company: SSU Services
Sampler's Phone Number: (904) 649-8673

ANALYSIS INFORMATION:
Extraction Date: Not Applicable
Laboratory Contact: Mr. Walter Mock
Resample Request: NO
Analyses Submitted: Manganese

I DO HEREBY CERTIFY TO THE BEST OF MY KNOWLEDGE AND BELIEF THAT ALL DATA
SUBMITTED ARE CORRECT.

James C. Burden
Laboratory Director
TECHNICAL SERVICES, INC.

Date: November 6, 1992

Results mailed to appropriate DER/ACPHU Office by: Customer

DER/ACPHU REVIEWING OFFICIAL

Sample Interpretation (Check One)
() Satisfactory () Unsatisfactory

TECHNICAL SERVICES, INC.
290L DANESE STREET
JACKSONVILLE, FLORIDA 32206
(904) 353-5761

SECONDARY CHEMICAL ANALYSIS
17-550.320
(PWS031)

Parameter ID NAME	Sample Number	Analysis Result (mg/L)	Analytical Method	Analysis Date
1032 Manganese	9210541-3	<0.03	EPA243.1	11-02-92

3379

1379



Received From:

SSU/Pomona
PO Box 458
Pomona Park, Fl 32181

Date Reported : Nov 3 1992
Project Number : Pomona Park
PO Number : B92234
FDHRSDW Number : 83139
FHRS ENVNumber : E83018
FDER COMQAPNum : 86-0008G
A2LA Number : 0312-01
NCDEHNR Number : 296
SCDHEC Number : 96019



Received From:

SSU/Pomona
PO Box 458
Pomona Park, Fl 32181

Date Reported : Nov 3 1992
Project Number : Pomona Park
PO Number : B92234
FDHRSDW Number : 83139
FHRS ENVNumber : E83018
FDER COMQAPNum : 86-0008G
A2LA Number : 0312-01
NCDEHNR Number : 296
SCDHEC Number : 96019

For: DISTRIB. Day 3/ 9:15

Date Sampled: Oct30 1992 Date Received: Oct30 1992 Lab Numbers: 15397-15398

REPORT OF ANALYSIS

15397

Parameter	Unit	Method %ACC %PRC Detection Limit
Calcium	mg/L	0.100
Chloride	mg/L	0.0150
Carbonate CaCO3	mg/L	0.100
Hydroxide CaCO3	mg/L	0.100
Copper	mg/L	0.00500
Bicarbonate CaCO3	mg/L	0.100
Bicarbonate HCO3	mg/L	0.100
Hydrogen Sulfide	mg/L	0.500
Iron	mg/L	0.0100

3380

1380



**CHEMICAL
LABORATORIES
INCORPORATED**

Received From: SSU/Pomona
PO Box 458
Pomona Park, Fl 32181

Date Reported : Nov 3 1992
Project Number : Pomona Park
PO Number : B92234
FDHRSDW Number : 83139
FHRS ENVNumber : E83018
FDER COMQAPNum : 86-0008G
A2LA Number : 0312-01
NCDEHNR Number : 296
SCDHEC Number : 96019

For: DISTRIB. Day 1/ 3:15
Date Sampled: Oct28 1992 Date Received: Oct30 1992 Lab Numbers: 15393-15394

REPORT OF ANALYSIS

Parameter	Unit	Method	%ACC	%PRC	15393
		Detection Limit			
Calcium	mg/L	0.100			-
Chloride	mg/L	0.0150			-
Carbonate CaCO3	mg/L	0.100			-
Hydroxide CaCO3	mg/L	0.100			-
Copper	mg/L	0.00500			-
Bicarbonate CaCO3	mg/L	0.100			-
Bicarbonate HCO3	mg/L	0.100			-
Hydrogen Sulfide	mg/L	0.500			-
Iron	mg/L	0.0100			-
Magnesium	mg/L	0.0100			-
Manganese	mg/L	0.0000400	99.8	.000	0.00218
Sulfate	mg/L	0.200			-
Zinc	mg/L	0.00100			-

3381

Data Release Authorization
Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.
This Report of Analysis may not be reproduced in part.

(Signature)
Jefferson S. Flowers, Ph.D.
President/Technical Director

Serving Your Analytical and Environmental Needs Since 1957

1381
Jefferson L. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
481 NEWBURYPORT
P.O. BOX 150-597
ALTAMONTE SPRINGS
FLORIDA 32715-0597
BUS: (407) 339-5984
FAX: (407) 260-8110

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 2540905
Public Water System Name:
Plant Name (If Applicable) Pomona Park
County
Public Water System Type (check one):
() Community () Non-community () Non-Transit, Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: 82223
Parameter Group(s) Analyzed: Manganese
Subcontracted Lab Certification Number (if any):
Gross Alpha 83141
Pesticides 86119

SAMPLE INFORMATION

Sample Date (MMDDYY): 10/28/92 Sample Time: 15:45
Laboratory Sample Number: J210294-01
Sample Location (be specific): Pomona Park Distribution System (Day 1)
Sample Type (check one):
() Check () Regular Distribution () Composite
() Clearance () Maximum Residence Time () Plant Tap
() Raw () Well () Resample
() Special (x) Compliance

Sampler Name, Title, Phone Paul Thompson

ANALYSIS INFORMATION

Extraction Date (MMDDYY)
Laboratory Contact: Karen Kalka
Resample Requested? (check one): () Yes () No

ANALYSIS SUBMITTED: Turbidity; Inorganic; Trihalomethane; Volatile Organic; Organic Chemical; Secondary Chemical; Radiological; Unregular Organic Purgeable; Unregulated Organic Pesticide; Unregulated Base Neutral Extractable; Unregulated Acid Extractable (Check all analyses which apply.)

I do HEREBY CERTIFY that all data submitted are correct.

Signature Pamela Rivers

Name Pamela Rivers

Title Laboratory Manager

Laboratory Enviropact, Inc.

Date 11/17/92

Mail results to the Appropriate DER of ACPHU Office:

DER/ACPHU Reviewing Official:

Sample Interpretation (check one):

() Satisfactory () Unsatisfactory

3382
1382

INSTRUCTIONS

To assist public water systems in their compliance with provisions of the state and federal Safe Drinking Water Acts, this format was developed. This format is to be used by laboratories when reporting results of drinking water analyses to the appropriate DER or ACPHU Office (see listed below). It is necessary that this particular form be used, computer generated or otherwise personalized forms will be accepted as long as they are organized in this format. Analysis results must be reported according to the groups used in this format and include the same column headings. Parameters not reported need not be listed. Multiple samples for the same parameter can be reported under the same cover sheet but sample locations must be specific. For determination of the various contaminant levels, as well as the other required parameter values, use the approved methods as cited in Chapter 17-550, Florida Administrative Code.

Send results to the Department of Environmental Regulation District Office or Approved County Public Health Unit which has jurisdiction over the water system:

Northwest DER District Office, 7825 Baymeadows Way, Suite B200, Jacksonville 32256-7577

Northwest DER District Office, 160 Governmental Center, Pensacola 32501-5794:

Escambia, Santa Rosa, Okaloosa, Walton, Holmes, Washington, Jackson, Bay, Calhoun, Gulf, Liberty, Franklin, Gadsden, Leon, Wakulla, part of Jefferson

Northwest DER District Office, 3426 Bills Road, Jacksonville 32207:

Madison, Taylor, Hamilton, Suwannee, Levy, Lafayette, Dixie, Gilchrist, Columbia, Baker, Union, Alachua, Bradford, Nassau, St. Johns, Clay, Putnam, Flagler, parts of Jefferson, Levy

Central DER District Office, 3319 Maquire Boulevard, Suite 232, Orlando 32803-3767:

Volusia, Lake, Seminole, Orange, Osceola, Indian River, parts of Marion, Lake, Okeechobee

Southeast DER District Office, 1900 S. Congress Avenue, Suite A, West Palm Beach 33406:

Part of Okeechobee

South DER District Office, 2269 Bay Street, Fort Myers 33901-2896:

Monroe, Collier, Hendry, Lee, Glades, parts of Charlotte, Highlands

Southwest DER District Office, 4520 Oak Fair Boulevard, Tampa 33610-7347:

Soto, Hardee, Pasco, Hernando, Sumter, Citrus, parts of Highlands, Charlotte, Levy, Marion, Lake

Southeast DER District Office, 2745 S.E. Morningside Boulevard, Port St. Lucie 34752:

St. Lucie, Martin

Brevard County Public Health Unit, 2575 N. Courtenay Parkway, Room 171, Merritt Island 32953

Broward County Public Health Unit, 2421 S.W. 6th Avenue, Ft. Lauderdale 33315

Dade County Public Health Unit, 1350 N.W. 14th Street, Miami 33125

Duval County Public Health Unit, 515 West 6th Street, Jacksonville 32206

Hillsborough County Public Health Unit, P.O. Box 75-500, Tampa 33675-0500

Manatee County Public Health Unit, 410 - 6th Avenue East, Brandon 34208

Palm Beach County Public Health Unit, P.O.Box 29, West Palm Beach 33402

Pinellas County Public Health Unit, 310 N. Myrtle Avenue, Clearwater 34615

Polk County Public Health Unit, P.O. Box 1480, Winter Haven 33882-1480

Sarasota County Public Health Unit, 1301 Cattleman Road, Sarasota 33582-9620

1383

3383

SECONDARY CHEMICAL ANALYSIS

17-550.320

(PWS031)

P. AMETER ID Date	NAME	Sample Number	Location Code	Analysis Result	Analytical (mg/L)	Analysis Method
1016*	Calcium	_____	_____	_____	215.1	_____
1017	Chloride	_____	_____	_____	325.3	_____
1019*	Carbonate CaCO ₃	_____	_____	_____	310.1	_____
1021*	Hydroxide CaCO ₃	_____	_____	_____	310.1	_____
1022	Copper	_____	_____	_____	220.1	_____
1023*	Bicarbonate CaCO ₃	_____	_____	_____	310.1	_____
1025	Fluoride - - Please enter as a primary on screen PWS030					
1026*	Bicarbonate HCO ₃	_____	_____	_____	310.1	_____
1027*	Hydrogen Sulfide	_____	_____	_____	376.1	_____
1028	Iron	_____	_____	_____	236.1	_____
1031*	Magnesium	_____	_____	_____	242.1	_____
1032	Manganese	J210294-1	_____	<0.010	243.1	11/02/92
1055	Sulfate	_____	_____	_____	375.4	_____
1095	Zinc	_____	_____	_____	289.1	_____
1901	Carbon Dioxide	_____	_____	_____	406A Std. Meth	_____
1905	Color (color units)	_____	_____	_____	110.2	_____
1915*	Total Hardness	_____	_____	_____	130.2	_____
1917*	NCH as CaCO ₃	_____	_____	_____	Calc.	_____
1900	Odor (total odor number)	_____	_____	_____	207 Std.Meth	_____

Comments:

1384

3384

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 2540905
Public Water System Name:
Plant Name (If Applicable) Pomona Park
County
Public Water System Type (check one):
() Community () Non-community () Non-Transit, Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: 82223
Parameter Group(s) Analyzed: Manganese
Subcontracted Lab Certification Number (if any):
Gross Alpha 83141
Pesticides 86119

SAMPLE INFORMATION

Sample Date (MMDDYY): 10/29/92 Sample Time: 14:45
Laboratory Sample Number: J210293-01
Sample Location (be specific): Pomona Park Distribution (Day 2)
Sample Type (check one):
() Check () Regular Distribution () Composite
() Clearance () Maximum Residence Time () Plant Tap
() Raw () Well () Resample
() Special (x) Compliance

Sampler Name, Title, Phone Paul Thompson

ANALYSIS INFORMATION

Extraction Date (MMDDYY)
Laboratory Contact: Karen Kalka
Resample Requested? (check one): () Yes () No

ANALYSIS SUBMITTED: Turbidity; Inorganic; Trihalomethane; Volatile Organic; Organic Chemical; Secondary Chemical; Radiological; Unregular Organic Purgable; Unregulated Organic Pesticide; Unregulated Base Neutral Extractable; Unregulated Acid Extractable (Check all analyses which apply.)

I do HEREBY CERTIFY that all data submitted are correct.

Signature Pamela Rivers

Name Pamela Rivers

Title Laboratory Manager

Laboratory Enviropact, Inc.

Date 11/17/92

Mail results to the Appropriate DER of ACPHU Office:

DER/ACPHU Reviewing Official:

Sample Interpretation (check one):
() Satisfactory () Unsatisfactory

SECONDARY CHEMICAL ANALYSIS

17-550.320

(PWS031)

PARAMETER NAME	Sample Number	Location Code	Analysis Result	Analytical (mg/L)	Analysis Method
1016* Calcium				215.1	
1017 Chloride				325.3	
1019* Carbonate CaCO ₃				310.1	
1021* Hydroxide CaCO ₃				310.1	
1022 Copper				220.1	
1023* Bicarbonate CaCO ₃				310.1	
1025 Fluoride - -	Please enter as a primary on screen PWS030				
1026* Bicarbonate HCO ₃				310.1	
1027* Hydrogen Sulfide				376.1	
1028 Iron				236.1	
1031* Magnesium				242.1	
1032 Manganese	J210293-1		<0.010	243.1	11/02/92
1055 Sulfate				375.4	
1095 Zinc				289.1	
1901 Carbon Dioxide				406A Std. Meth	
1905 Color (color units)				110.2	
1915* Total Hardness				130.2	
1917* NCH as CaCO ₃				Calc.	
1920 Odor (total odor number)				207 Std.Meth	

Comments:

1386

3386

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 2540905
Public Water System Name:
Plant Name (If Applicable) Pomona Park
County
Public Water System Type (check one):
() Community () Non-community () Non-Transit, Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: 82223
Parameter Group(s) Analyzed: Manganese
Subcontracted Lab Certification Number (if any):
Gross Alpha 83141
Pesticides 86119

SAMPLE INFORMATION

Sample Date (MMDDYY): 10/30/92 Sample Time: 09:15
Laboratory Sample Number: J210292-01
Sample Location (be specific): Pomona Park Distribution (Day 3)
Sample Type (check one):
() Check () Regular Distribution () Composite
() Clearance () Maximum Residence Time () Plant Tap
() Raw () Well () Resample
() Special (x) Compliance

Sampler Name, Title, Phone Paul Thompson

ANALYSIS INFORMATION

Extraction Date (MMDDYY)
Laboratory Contact: Karen Kalka
Resample Requested? (check one): () Yes () No

ANALYSIS SUBMITTED: Turbidity; Inorganic; Trihalomethane; Volatile Organic; Organic Chemical; Secondary Chemical; Radiological; Unregular Organic Purgeable; Unregulated Organic Pesticide; Unregulated Base Neutral Extractable; Unregulated Acid Extractable (Check all analyses which apply)

I do HEREBY CERTIFY that all data submitted are correct.

Signature [Handwritten Signature]

Name Pamela Rivers

Title Laboratory Manager

Laboratory Enviropact, Inc.

Date 11/17/92

Mail results to the Appropriate DER of ACPHU Office:

DER/ACPHU Reviewing Official:

Sample Interpretation (check one):
() Satisfactory () Unsatisfactory

3387
1387

SECONDARY CHEMICAL ANALYSIS

17-550.320

(PWS031)

PARAMETER NAME	Sample Number	Location Code	Analysis Result	Analytical (mg/L)	Analysis Method
1016*	Calcium			215.1	
1017	Chloride			325.3	
1019*	Carbonate CaCO ₃			310.1	
1021*	Hydroxide CaCO ₃			310.1	
1022	Copper			220.1	
1023*	Bicarbonate CaCO ₃			310.1	
1025	Fluoride - - Please enter as a primary on screen PWS030				
1026*	Bicarbonate HCO ₃			310.1	
1027*	Hydrogen Sulfide			376.1	
28	Iron			236.1	
1031*	Magnesium			242.1	
1032	Manganese	J210292-1	<0.010	243.1	11/02/92
1055	Sulfate			375.4	
1095	Zinc			289.1	
1901	Carbon Dioxide			406A Std. Meth	
1905	Color (color units)			110.2	
1915*	Total Hardness			130.2	
1917*	NCH as CaCO ₃			Calc.	
1920	Odor (total odor number)			207 Std. Meth	

Comments:

1388

3388

TECHNICAL SERVICES, INC.
PUBLIC DRINKING WATER ANALYSIS REPORTING

PUBLIC WATER SYSTEM INFORMATION: SSU Services
Public Water System I.D. Number: 2540482
Public Water System Name: Hermits Cove
Public Water System Type: Community

PUBLIC CERTIFICATION INFORMATION:
Lab Certification Number: FDHRS #82145
Parameter Groups Analyzed: Manganese
Subcontracted Lab Number (If Any): Not Applicable

SAMPLE INFORMATION:
Sample Date: October 28, 1992 @ 1615
Laboratory Sample Number: 9210542-1
Sample Location (be specific): Plant #438
Sample Type: Regular Distribution

Sampler's Name and Title: Paul Thompson
Sampler's Company: SSU Services
Sampler's Phone Number: (904) 649-8673

ANALYSIS INFORMATION:
Ex action Date: Not Applicable
Laboratory Contact: Mr. Walter Mock
Resample Request: NO
Analyses Submitted: Manganese

I DO HEREBY CERTIFY TO THE BEST OF MY KNOWLEDGE AND BELIEF THAT ALL DATA SUBMITTED ARE CORRECT.

James C. Burden
Laboratory Director
TECHNICAL SERVICES, INC.

Date: November 6, 1992

Results mailed to appropriate DER/ACPHU Office by: Customer

DER/ACPHU REVIEWING OFFICIAL

Sample Interpretation (Check One)
() Satisfactory () Unsatisfactory

1389

3389

TECHNICAL SERVICES, INC.
290L DANESE STREET
JACKSONVILLE, FLORIDA 32206
(904) 353-5761

SECONDARY CHEMICAL ANALYSIS
17-550.320
(PWS031)

Parameter NAME	Sample Number	Analysis Result (mg/L)	Analytical Method	Analysis Date
032 Manganese	9210542-1	<0.03	EPA243.1	11-02-92

3390
1390

TECHNICAL SERVICES, INC.
PUBLIC DRINKING WATER ANALYSIS REPORTING

PUBLIC WATER SYSTEM INFORMATION: SSU Services
Public Water System I.D. Number: 2540482
Public Water System Name: Hermits Cove
Public Water System Type: Community

PUBLIC CERTIFICATION INFORMATION:
Lab Certification Number: FDHRS #82145
Parameter Groups Analyzed: Manganese
Subcontracted Lab Number (If Any): Not Applicable

SAMPLE INFORMATION:
Sample Date: October 29, 1992 @ 1515
Laboratory Sample Number: 9210542-2
Sample Location (be specific): Plant #438
Sample Type: Regular Distribution

Sampler's Name and Title: Paul Thompson
Sampler's Company: SSU Services
Sampler's Phone Number: (904) 649-8673

ANALYSIS INFORMATION:
Extraction Date: Not Applicable
Laboratory Contact: Mr. Walter Mock
Resample Request: NO
Analyses Submitted: Manganese

I DO HEREBY CERTIFY TO THE BEST OF MY KNOWLEDGE AND BELIEF THAT ALL DATA
SUBMITTED ARE CORRECT.

James C. Bunde
Laboratory Director
TECHNICAL SERVICES, INC.

Date: November 6, 1992

Results mailed to appropriate DER/ACPHU Office by: Customer

DER/ACPHU REVIEWING OFFICIAL

Sample Interpretation (Check One)
() Satisfactory () Unsatisfactory

3391

1391

TECHNICAL SERVICES, INC.
290L DANESE STREET
JACKSONVILLE, FLORIDA 32206
(904) 353-5761

SECONDARY CHEMICAL ANALYSIS
17-550.320
(PWS031)

Parameter NAME	Sample Number	Analysis Result (mg/L)	Analytical Method	Analysis Date
032 Manganese	9210542-2	10.03	EPA243.1	11-02-92

3392
1392

TECHNICAL SERVICES, INC.
PUBLIC DRINKING WATER ANALYSIS REPORTING

PUBLIC WATER SYSTEM INFORMATION: SSU Services
Public Water System I.D. Number: 2540482
Public Water System Name: Hermits Cove
Public Water System Type: Community

PUBLIC CERTIFICATION INFORMATION:
Lab Certification Number: FDHRS #82145
Parameter Groups Analyzed: Manganese
Subcontracted Lab Number (If Any): Not Applicable

SAMPLE INFORMATION:
Sample Date: October 30, 1992 @ 0845
Laboratory Sample Number: 9210542-3
Sample Location (be specific): Plant #438
Sample Type: Regular Distribution

Sampler's Name and Title: Paul Thompson
Sampler's Company: SSU Services
Sampler's Phone Number: (904) 649-8673

ANALYSIS INFORMATION:
Collection Date: Not Applicable
Laboratory Contact: Mr. Walter Mock
Sample Request: NO
Analyses Submitted: Manganese

DO HEREBY CERTIFY TO THE BEST OF MY KNOWLEDGE AND BELIEF THAT ALL DATA
SUBMITTED ARE CORRECT.

James C. Burden
Laboratory Director
TECHNICAL SERVICES, INC.

Date: November 6, 1992

Results mailed to appropriate DER/ACPHU Office by: Customer

DER/ACPHU REVIEWING OFFICIAL

Sample Interpretation (Check One)
() Satisfactory () Unsatisfactory

3393

1393

TECHNICAL SERVICES, INC.
290L DANESE STREET
JACKSONVILLE, FLORIDA 32206
(904) 353-5761

SECONDARY CHEMICAL ANALYSIS
17-550.320
(PWS031)

Parameter NAME	Sample Number	Analysis Result (mg/L)	Analytical Method	Analysis Date
32 Manganese	9210542-3	<0.03	EPA243.1	11-02-92

3394

1394

TECHNICAL SERVICES, INC.
PUBLIC DRINKING WATER ANALYSIS REPORTING

PUBLIC WATER SYSTEM INFORMATION: SSU Services
Public Water System I.D. Number: 2540482
Public Water System Name: Hermits Cove
Public Water System Type: Community

PUBLIC CERTIFICATION INFORMATION:
Lab Certification Number: FDHRS #82145
Parameter Groups Analyzed: Manganese
Subcontracted Lab Number (If Any): Not Applicable

SAMPLE INFORMATION:
Sample Date: October 28, 1992 @ 1615
Laboratory Sample Number: 9210542-1
Sample Location (be specific): Plant #438
Sample Type: Regular Distribution

Sampler's Name and Title: Paul Thompson
Sampler's Company: SSU Services
Sampler's Phone Number: (904) 649-8673

ANALYSIS INFORMATION:
Extraction Date: Not Applicable
Laboratory Contact: Mr. Walter Mock
Resample Request: NO
Analyses Submitted: Manganese

I DO HEREBY CERTIFY TO THE BEST OF MY KNOWLEDGE AND BELIEF THAT ALL DATA
SUBMITTED ARE CORRECT.

James C. Barden
Laboratory Director
TECHNICAL SERVICES, INC.

Date: November 6, 1992

Results mailed to appropriate DER/ACPHU Office by: Customer

DER/ACPHU REVIEWING OFFICIAL

Sample Interpretation (Check One)
() Satisfactory () Unsatisfactory

3395
1395

TECHNICAL SERVICES, INC...
290L DANESE STREET
JACKSONVILLE, FLORIDA 32206
(904) 353-5761

SECONDARY CHEMICAL ANALYSIS
17-550.320
(PWS031)

Parameter ID NAME	Sample Number	Analysis Result (mg/L)	Analytical Method	Analysis Date
1032 Manganese	9210542-1	<0.03	EPA243.1	11-02-92

TECHNICAL SERVICES, INC.
PUBLIC DRINKING WATER ANALYSIS REPORTING

PUBLIC WATER SYSTEM INFORMATION:
Public Water System I.D. Number:
Public Water System Name:
Public Water System Type:

SSU Services
2540482
Hermits Cove
Community

IDENTIFICATION INFORMATION:

3396
1396

TECHNICAL SERVICES, INC.
PUBLIC DRINKING WATER ANALYSIS REPORTING

PUBLIC WATER SYSTEM INFORMATION: SSU Services
Public Water System I.D. Number: 2540482
Public Water System Name: Hermits Cove
Public Water System Type: Community

PUBLIC CERTIFICATION INFORMATION:
Lab Certification Number: FDHRS #82145
Parameter Groups Analyzed: Manganese
Subcontracted Lab Number (If Any): Not Applicable

SAMPLE INFORMATION:
Sample Date: October 29, 1992 @ 1515
Laboratory Sample Number: 9210542-2
Sample Location (be specific): Plant #438
Sample Type: Regular Distribution

Sampler's Name and Title: Paul Thompson
Sampler's Company: SSU Services
Sampler's Phone Number: (904) 649-8673

ANALYSIS INFORMATION:
Extraction Date: Not Applicable
Laboratory Contact: Mr. Walter Mock
Resample Request: NO
Analyses Submitted: Manganese

I DO HEREBY CERTIFY TO THE BEST OF MY KNOWLEDGE AND BELIEF THAT ALL DATA SUBMITTED ARE CORRECT.

James C. Burde
Laboratory Director
TECHNICAL SERVICES, INC.

Date: November 6, 1992

Results mailed to appropriate DER/ACPHU Office by: Customer

DER/ACPHU REVIEWING OFFICIAL

Sample Interpretation (Check One)
() Satisfactory () Unsatisfactory

3397
1397

TECHNICAL SERVICES, INC.
290L DANESE STREET
JACKSONVILLE, FLORIDA 32206
(904) 353-5761

SECONDARY CHEMICAL ANALYSIS
17-550.320
(PWS031)

Parameter ID NAME	Sample Number	Analysis Result (mg/L)	Analytical Method.	Analysis Date
1032 Manganese	9210542-2	<0.03	EPA243.1	11-02-92

3398

1398

TECHNICAL SERVICES, INC.
PUBLIC DRINKING WATER ANALYSIS REPORTING

PUBLIC WATER SYSTEM INFORMATION: SSU Services
Public Water System I.D. Number: 2540482
Public Water System Name: Hermits Cove
Public Water System Type: Community

PUBLIC CERTIFICATION INFORMATION:
Lab Certification Number: FDHRS #82145
Parameter Groups Analyzed: Manganese
Subcontracted Lab Number (If Any): Not Applicable

SAMPLE INFORMATION:
Sample Date: October 30, 1992 @ 0845
Laboratory Sample Number: 9210542-3
Sample Location (be specific): Plant #438
Sample Type: Regular Distribution

Sampler's Name and Title: Paul Thompson
Sampler's Company: SSU Services
Sampler's Phone Number: (904) 649-8673

ANALYSIS INFORMATION:
Extraction Date: Not Applicable
Laboratory Contact: Mr. Walter Mock
Resample Request: NO
Analyses Submitted: Manganese

DO HEREBY CERTIFY TO THE BEST OF MY KNOWLEDGE AND BELIEF THAT ALL DATA
SUBMITTED ARE CORRECT.

James C. Burden
Laboratory Director
TECHNICAL SERVICES, INC.

Date: November 6, 1992

Results mailed to appropriate DER/ACPHU Office by: Customer

DER/ACPHU REVIEWING OFFICIAL

Sample Interpretation (Check One)
() Satisfactory () Unsatisfactory

3399

1399

TECHNICAL SERVICES, INC.
290L DANESE STREET
JACKSONVILLE, FLORIDA 32206
(904) 353-5761

SECONDARY CHEMICAL ANALYSIS
17-550.320
(PWS031)

Parameter NAME	Sample Number	Analysis Result (mg/L)	Analytical Method	Analysis Date
032 Manganese	9210542-3	10.03	EPA243.1	11-02-92

3400

1400



Received From:

SSU/Pomona
PO Box 458
Pomona Park, Fl 32181

Date Reported : Nov 3 1992
Project Number : Hermit's Cove
PO Number : B92234
FDHRSW Number : 83139
FHRS ENVNumber : E83018
FDER COMQAPNum : 86-0008G
A2LA Number : 0312-01
NCDEHNR Number : 296
SCDHEC Number : 96019

For: DISTRIB. Day 3/ 8:45

Date Sampled: Oct30 1992 Date Received: Oct30 1992 Lab Numbers: 15397-15398

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	15398
Calcium	mg/L	0.100			-
Chloride	mg/L	0.0150			-
Carbonate CaCO3	mg/L	0.100			-
Hydroxide CaCO3	mg/L	0.100			-
Copper	mg/L	0.00500			-
Bicarbonate CaCO3	mg/L	0.100			-
Bicarbonate HCO3	mg/L	0.100			-
Hydrogen Sulfide	mg/L	0.500			-
Iron	mg/L	0.0100			-
Magnesium	mg/L	0.0100			-
Manganese	mg/L	0.0000400	99.8	.000	<0.0000400
Sulfate	mg/L	0.200			-
Zinc	mg/L	0.00100			-

3401

Data Release Authorization.

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.
This Report of Analysis may not be reproduced in part.

1401

(Signature)
Jefferson S. Flowers, Ph.d.
President/Technical Director

Serving Your Analytical and Environmental Needs Since 1957

Jefferson L. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
481 NEWBURYPORT
P.O. BOX 150-597
ALTAMONTE SPRINGS
FLORIDA 32715-0597
BUS: (407) 339-5984
FAX: (407) 260-6110



Received From:

SSU/Pomona
PO Box 458
Pomona Park, Fl 32181

Date Reported : Nov 3 1992
Project Number : Hermit's Cove
PO Number : B92234
FDHRSDW Number : 83139
FHRS ENVNumber : E83018
FDER COMQAPNum : 86-0008G
A2LA Number : 0312-01
NCDEHNR Number : 296
SCDHEC Number : 96019

For: DISTRIB. Day 2/ 3:15 p.m.

Date Sampled: Oct 29 1992 Date Received: Oct 30 1992 Lab Numbers: 15395-15396

REPORT OF ANALYSIS

Parameter	Unit	Method	%ACC	%PRC	15396
		Detection Limit			
Calcium	mg/L	.0.100			-
Chloride	mg/L	0.0150			-
Carbonate CaCO3	mg/L	0.100			-
Hydroxide CaCO3	mg/L	0.100			-
Copper	mg/L	0.00500			-
Bicarbonate CaCO3	mg/L	0.100			-
Bicarbonate HCO3	mg/L	0.100			-
Hydrogen Sulfide	mg/L	0.500			-
Iron	mg/L	0.0100			-
Magnesium	mg/L	0.0100			-
Manganese	mg/L	0.0000400	99.8	.000	0.0000660
Sulfate	mg/L	0.200			-
Zinc	mg/L	0:00100			-

3402

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.
This Report of Analysis may not be reproduced in part.

(Handwritten Signature)
Jefferson S. Flowers, Ph.D.
President/Technical Director

1402

Serving Your Analytical and Environmental Needs Since 1957

Jefferson L. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
481 NEWBURYPORT
P.O. BOX 150-597
ALTAMONTE SPRINGS
FLORIDA 32715-0597
BUS: (407) 339-5984
FAX: (407) 260-6110



**CHEMICAL
LABORATORIES
INCORPORATED**

Received From:

SSU/Pomona
PO Box 458
Pomona Park, Fl 32181

Date Reported : Nov 3 1992
Project Number : Hermit's Cove
PO Number : B92234
FDHRSDW Number : 83139
FHRS ENVNumber : E83018
FDER COMQAPNum : 86-0008G
A2LA Number : 0312-01
NCDEHNR Number : 296
SCDHEC Number : 96019

For: DISTRIB. Day 1 / 4:15

Date Sampled: Oct28 1992 Date Received: Oct30 1992 Lab Numbers: 15393-15394

REPORT OF ANALYSIS

Parameter	Unit	Method	%ACC	%PRC	15394
		Detection Limit			
Calcium	mg/L	0.100			-
Chloride	mg/L	0.0150			-
Carbonate CaCO3	mg/L	0.100			-
Hydroxide CaCO3	mg/L	0.100			-
Copper	mg/L	0.00500			-
Bicarbonate CaCO3	mg/L	0.100			-
Bicarbonate HCO3	mg/L	0.100			-
Hydrogen Sulfide	mg/L	0.500			-
Iron	mg/L	0.0100			-
Magnesium	mg/L	0.0100			-
Manganese	mg/L	0.0000400	99.8	.000	<0.0000400
Sulfate	mg/L	0.200			-
Zinc	mg/L	0.00100			-

3403

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.
This Report of Analysis may not be reproduced in part.

(Signature)
Jefferson S. Flowers, Ph.D.
President/Technical Director

1403

Serving Your Analytical and Environmental Needs Since 1957

Jefferson L. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
481 NEWBURYPORT
P.O. BOX 150-597
TAMONTE SPRINGS
FLORIDA 32715-0597
BUS: (407) 339-5984
FAX: (407) 280-8110

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 2540482

Public Water System Name: _____

Plant Name (If Applicable) Hermits Cove

County _____

Public Water System Type (check one):

() Community () Non-community () Non-Transit, Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: 82223

Parameter Group(s) Analyzed: Manganese

Subcontracted Lab Certification Number (if any): _____

Gross Alpha 83141 _____

Pesticides 86119 _____

SAMPLE INFORMATION

Sample Date (MMDDYY): 10/28/92 Sample Time: 16:15

Laboratory Sample Number: J210294-02

Sample Location (be specific): Hermit's Cove Distribution (Day 1)

Sample Type (check one):

- () Check () Regular Distribution () Composite
- () Clearance () Maximum Residence Time () Plant Tap
- () Raw () Well () Resample
- () Special (x) Compliance

Sampler Name, Title, Phone Paul Thompson

ANALYSIS INFORMATION

Extraction Date (MMDDYY) / /

Laboratory Contact: Karen Kalka

Resample Requested? (check one): () Yes () No

ANALYSIS SUBMITTED: Turbidity; Inorganic; Trihalomethane; Volatile Organic; Organic Chemical; Secondary Chemical; Radiological; Unregular Organic Purgeable; Unregulated Organic Pesticide; Unregulated Base Neutral Extractable; Unregulated Acid Extractable (Check all analyses which apply.)

I do HEREBY CERTIFY that all data submitted are correct.

Signature *Pamela Rivers*

Name Pamela Rivers

Title Laboratory Manager

Laboratory Envirofact, Inc.

Date 11/17/92

Mail results to the
Appropriate DER of ACPHU
Office:

DER/ACPHU Reviewing Official: _____

Sample Interpretation (check one):

() Satisfactory () Unsatisfactory

3404
1404

SECONDARY CHEMICAL ANALYSIS

17-530.320

(PWS031)

PARAMETER ID Date	NAME	Sample Number	Location Code	Analysis Result	Analytical (mg/L)	Analysis Method
1016*	Calcium	_____	_____	_____	215.1	_____
1017	Chloride	_____	_____	_____	325.3	_____
1019*	Carbonate CaCO ₃	_____	_____	_____	310.1	_____
1021*	Hydroxide CaCO ₃	_____	_____	_____	310.1	_____
1022	Copper	_____	_____	_____	220.1	_____
1023*	Bicarbonate CaCO ₃	_____	_____	_____	310.1	_____
1025	Fluoride - - Please enter as a primary on screen PWS030					
1026*	Bicarbonate HCO ₃	_____	_____	_____	310.1	_____
1027*	Hydrogen Sulfide	_____	_____	_____	376.1	_____
1028	Iron	_____	_____	_____	236.1	_____
1031*	Magnesium	_____	_____	_____	242.1	_____
1032	Manganese	J210294-2	_____	<0.010	243.1	11/02/92
1055	Sulfate	_____	_____	_____	375.4	_____
1095	Zinc	_____	_____	_____	289.1	_____
1901	Carbon Dioxide	_____	_____	_____	406A Std. Meth	_____
1905	Color (color units)	_____	_____	_____	110.2	_____
1915*	Total Hardness	_____	_____	_____	130.2	_____
1917*	NCH as CaCO ₃	_____	_____	_____	Calc.	_____
1920	Odor (total odor number)	_____	_____	_____	207 Std.Meth	_____

Comments:

3405
1405

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 2540482
Public Water System Name:
Plant Name (If Applicable) Hermit's Cove
County
Public Water System Type (check one):
() Community () Non-community () Non-Transit, Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: 82223
Parameter Group(s) Analyzed: Manganese
Subcontracted Lab Certification Number (if any):
Gross Alpha 83141
Pesticides 86119

SAMPLE INFORMATION

Sample Date (MMDDYY): 10/29/92 Sample Time: 15:15
Laboratory Sample Number: J210293-02
Sample Location (be specific): Hermit's Cove Distribution (Day 2)
Sample Type (check one):
() Check () Regular Distribution () Composite
() Clearance () Maximum Residence Time () Plant Tap
() Raw () Well () Resample
() Special (x) Compliance

Sampler Name, Title, Phone Paul Thompson

ANALYSIS INFORMATION

Extraction Date (MMDDYY)
Laboratory Contact: Karen Kalka
Resample Requested? (check one): () Yes () No

ANALYSIS SUBMITTED: Turbidity; Inorganic; Trihalomethane; Volatile Organic; Organic Chemical; Secondary Chemical; Radiological; Unregular Organic Purgeable; Unregulated Organic Pesticide; Unregulated Base Neutral Extractable; Unregulated Acid Extractable (Check all analyzes which apply.)

I do HEREBY CERTIFY that all data submitted are correct.

Signature Pamela Rivers

Name Pamela Rivers

Title Laboratory Manager

Laboratory Enviropact, Inc.

Date 11/17/92

Mail results to the Appropriate DER of ACPHU Office:

DER/ACPHU Reviewing Official:

Sample Interpretation (check one):
() Satisfactory () Unsatisfactory

3406
1406

SECONDARY CHEMICAL ANALYSIS

17-550.320

(PWS031)

PARAMETER Date	NAME	Sample Number	Location Code	Analysis Result	Analytical (mg/L)	Analysis Method
1016*	Calcium	_____	_____	_____	215.1	_____
1017	Chloride	_____	_____	_____	325.3	_____
1019*	Carbonate CaCO ₃	_____	_____	_____	310.1	_____
1021*	Hydroxide CaCO ₃	_____	_____	_____	310.1	_____
1022	Copper	_____	_____	_____	220.1	_____
1023*	Bicarbonate CaCO ₃	_____	_____	_____	310.1	_____
1025	Fluoride - - Please enter as a primary on screen PWS030					
1026*	Bicarbonate HCO ₃	_____	_____	_____	310.1	_____
1027*	Hydrogen Sulfide	_____	_____	_____	376.1	_____
1028	Iron	_____	_____	_____	236.1	_____
1031*	Magnesium	_____	_____	_____	242.1	_____
1032	Manganese	J210293-2	_____	<0.010	243.1	11/02/92
1055	Sulfate	_____	_____	_____	375.4	_____
1095	Zinc	_____	_____	_____	289.1	_____
1901	Carbon Dioxide	_____	_____	_____	406A Std. Meth	_____
1905	Color (color units)	_____	_____	_____	110.2	_____
1915*	Total Hardness	_____	_____	_____	130.2	_____
1917*	NCH as CaCO ₃	_____	_____	_____	Calc.	_____
1920	Odor (total odor number)	_____	_____	_____	207 Std. Meth	_____

Comments:

3407
1407

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 2540482
Public Water System Name:
Plant Name (If Applicable) Hermit's Cove
County
Public Water System Type (check one):
() Community () Non-community () Non-Transit, Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: 82223
Parameter Group(s) Analyzed: Manganese
Subcontracted Lab Certification Number (if any):
Gross Alpha 83141
Pesticides 86119

SAMPLE INFORMATION

Sample Date (MMDDYY): 10/30/92 Sample Time: 08:45
Laboratory Sample Number: J210292-02
Sample Location (be specific): Hermit's Cove Distribution (Day 3)
Sample Type (check one):
() Check () Regular Distribution () Composite
() Clearance () Maximum Residence Time () Plant Tap
() Raw () Well () Resample
() Special (x) Compliance

Sampler Name, Title, Phone Paul Thompson

ANALYSIS INFORMATION

Extraction Date (MMDDYY)
Laboratory Contact: Karen Kalka
Resample Requested? (check one): () Yes () No

ANALYSIS SUBMITTED: Turbidity; Inorganic; Trihalomethane; Volatile Organic; Organic Chemical; Secondary Chemical; Radiological; Unregular Organic Purgeable; Unregulated Organic Pesticide; Unregulated Base Neutral Extractable; Unregulated Acid Extractable (Check all analyses which apply.)

I do HEREBY CERTIFY that all data submitted are correct.

Signature Pamela Rivers

Name Pamela Rivers

Title Laboratory Manager

Laboratory Enviropact, Inc.

Date 11/17/92

Mail results to the Appropriate DER of ACPHU Office:

DER/ACPHU Reviewing Official:

Sample Interpretation (check one):
() Satisfactory () Unsatisfactory

3408
1408

SECONDARY CHEMICAL ANALYSIS

17-550.320

(PWS031)

PARAMETER NAME Date	Sample Number	Location Code	Analysis Result	Analytical Result (mg/L)	Analysis Method
1016*	Calcium			215.1	
1017	Chloride			325.3	
1019*	Carbonate CaCO ₃			310.1	
1021*	Hydroxide CaCO ₃			310.1	
1022	Copper			220.1	
1023*	Bicarbonate CaCO ₃			310.1	
1025	Fluoride - - Please enter as a primary on screen PWS030				
1026*	Bicarbonate HCO ₃			310.1	
1027*	Hydrogen Sulfide			376.1	
1028	Iron			236.1	
1031*	Magnesium			242.1	
1032	Manganese	J210292-2	<0.010	243.1	11/02/92
1055	Sulfate			375.4	
1095	Zinc			289.1	
1901	Carbon Dioxide			406A Std. Meth	
1905	Color (color units)			110.2	
1915*	Total Hardness			130.2	
1917*	NCH as CaCO ₃			Calc.	
1920	Odor (total odor number)			207 Std.Meth	

Comments:

3409
1409

System Name: Palm Terrace - Water	Status Report Date: 5/14/93
County: Pasco	Area of Resp. Env. Services
<p>I. Deficiency: Noncompliance letter dated 11/30/92 (copy attached) for not sampling in a timely fashion.</p>	
<p>II. Corrective Action: Provide routine sampling as required. See attached response and lab test results.</p>	
<p>III. Current Status: Problem rectified.</p>	
<p>IV. Estimated Completion Date:</p>	
<p><u>Distribution:</u></p> <p>Region Manager: Area Supervisor: Engineering: Environmental Services: 3410 Rates: Operations Administration:</p>	



MEL FISHER

Florida Department of Environmental Regulation

Southwest District

4520 Oak Fair Boulevard

Tampa, Florida 33610-7347

Lawton Chiles, Governor

813-620-6100

Carol M. Browner, Secretary

NOV 30, 1992

SOUTHERN STATES UT.
1000 COLOR PLACE
APOPKA

FL 32703

RECEIVED

DEC 07 1992

RE: NONCOMPLIANCE LETTER
PWS ID: 6511330 [C]
C.L. SMITH ELL NAR

ENVIRONMENTAL
SERVICES

Our records indicate that the above referenced potable water system is overdue for the item(s) listed below.

Samples are to be collected and submitted to a laboratory that has been certified by the Department of Health and Rehabilitative Services for the drinking water analysis appropriate to the group(s) listed below. Please call this office with the sample date and lab name within 14 days of the date of this letter. Failure to sample and submit the laboratory results is a violation of Chapter 17-550 of the Florida Administrative Code.

CONTAMINANT(S)	SAMPLE DUE
-----	-----
PRIMARY ORGANICS	10/01/92
INORGANICS	10/01/92
TURBIDITY	10/01/92
SECONDARIES	10/01/92

If you have any questions or need assistance call the Drinking Water Office at EXT. 453

SINCERELY,

ROBERT P. BARKER
ENVIRONMENTAL SPECIALIST II

cc: HRS PASCO COUNTY PUBLIC HEALTH UNIT

cc: KARLA TEASLEY CHUCK WOOD
RALPH TERRERO JOE MACK
BILL WILLIAMS MARY GLENNON
JOHN LEVESQUE
FRANK SANDERSON



*MET
FILE
PALM TERRACE*

(cf)
General Offices

1000 Color Place
Apopka, FL 32703
(407) 880-0058

October 14, 1992

**Mr. Robert P. Barker
Florida Department of Environmental Regulation
Southwest District
3804 Coconut Palm Drive
Tampa, FL 33619-8318**

**Re: Noncompliance Letter
PWS ID: 6511330[c]
C.L. Smith (Ell Nar) (Palm Terrace)**

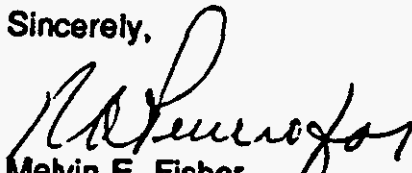
Dear Mr. Barker:

In response to your Noncompliance Letter dated September 29, 1992, I have spoken with our Area Supervisor John Levesque regarding drinking water samples to be taken at the C.L. Smith system (Palm Terrace). Unfortunately, samples were not collected in July as scheduled, but John has scheduled the collection of samples this week to be analyzed by Haines Testing Laboratory, Inc.

Complete analysis for Primary Organics, Primary Inorganics, Secondaries, Turbidity, and Unregulated Organics will be performed. The results will be sent to you as soon as we receive them from the lab.

Thank you for your cooperation in working with us to correct this concern.

Sincerely,


**Melvin E. Fisher
Environmental Compliance
Administrator**

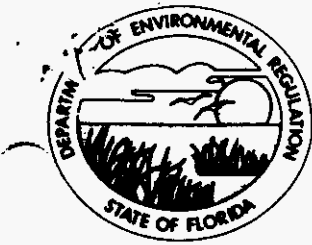
MF:dp

bc: **Mary Glennon
John Levesque
Frank Sanderson
Karla Olson Teasley
Rafael Terrero
Bill Williams**

3412

1412

FILE
PALM TERRACE



Florida Department of Environmental Regulation

Southwest District • 4520 Oak Fair Boulevard • Tampa, Florida 33610-7347
Lawton Chiles, Governor 813-620-6100 Carol M. Browner, Secretary

January 12, 1993

Melvin E. Fisher, Environmental
Compliance Administrator
Southern States Utilities
1000 Color Place
Apopka, FL 32703

C.L. Smith (Ell Nar)
PWS-ID # 6511330
Community Water System
Pasco County

RECEIVED

RE: Turbidity sampling and analysis
(maximum contaminant level was
exceeded for turbidity).

JAN 14 1993

**ENVIRONMENTAL
SERVICES**

Dear Mr. Fisher:

This is to acknowledge receipt of chemical analysis results for the potable water sample collected on October 15, 1992.

Upon review of these results, it was noted that the maximum contaminant level (MCL) was exceeded for turbidity. Chapter 17-550.510(5)(d) Florida Administrative Code, states that if an MCL is exceeded, the supplier of water shall re-sample for the suspect contaminant at the same sampling point.

Sample results were 1.8 N.T.U. The maximum contaminant level is 1.0 N.T.U. Attached, please find copy of your lab sheet with turbidity sample results highlighted in blue.

Please collect, and submit another sample to a certified laboratory within 10 days, and forward the results to the Department.

If you have any questions, please contact me at telephone (813) 744-6100 Ext. 453.

Sincerely,

Robert P. Barker
Environmental Specialist II
Drinking Water Section

RPB/sem

Attachment:
cc: Pasco CPHU

cc: KARLA TEASLEY
RALPH TERRERO
CHUCK WOOD FRANK SANDERSON
JOE MACK
BILL WILLIAMS
JOHN LEVESQUE (FAX) 3413
MARY GLENNON 1413

C. Smith
PWS 6511330

LAB# 83139

INORGANIC ANALYSIS

17-550.310(1)
 (PWS030)

Enter on PWS 030
Sample date -> 10/15/92

PARAMETER ID	NAME	SAMPLE #	LOCATION CODE	ANALYSIS RESULT (mg/liter)	ANALYTICAL METHOD	DET. LIMIT USED	ANALYSIS DATE
9005	ARSENIC	83783		<0.002	206.3	0.002	10/29/92
1010	BARIUM	"		0.014	208.1	0.002	10/29/92
1015	CADMIUM	"		<0.001	213.1	0.001	10/27/92
1020	CHROMIUM	"		<0.002	218.1	0.002	10/28/92
1025	FLUORIDE	"		0.18	340.2	0.02	10/29/92
1030	LEAD	"		<0.002	239.1	0.002	10/16/92
1035	MERCURY	"		<0.0002	245.1	0.0002	10/15/92
1040	NITRATE (as N)	"		0.36	352.1	0.01	10/16/92
1045	SELENIUM	"		<0.002	270.3	0.002	10/26/92
1050	SILVER	"		<0.001	272.1	0.001	10/28/92
1052	SODIUM	"		27	273.1	0.1	10/22/92

DEC 21 1992

ORGANIC CHEMICAL ANALYSIS

17-550.310(2)(a)(b)
 (PWS028)

Enter on PWS 029

PARAMETER ID	NAME	SAMPLE #	LOCATION CODE	ANALYSIS RESULT (mg/liter)	ANALYTICAL METHOD	DET. LIMIT USED	ANALYSIS DATE
2005	ENDRIN	83783		BDL	608	0.0002	10/19/92
2010	LINDANE	"		BDL	608	0.0001	10/19/92
2015	METHOXYCHLOR	"		BDL	608	0.001	10/19/92
2020	TOXAPHENE	"		BDL	608	0.001	10/19/92
2105	2,4-D	"		BDL	509B/615	0.001	10/20/92
2110	2,4,5-TP (Silvex)	"		BDL	509B/615	0.001	10/20/92

Zero

TURBIDITY ANALYSIS

17-550.310(3)
 (PWS026)

Enter on PWS 026

PARAMETER ID	NAME	SAMPLE #	LOCATION CODE	ANALYSIS RESULT (NTU)	ANALYTICAL METHOD	DET. LIMIT USED	ANALYSIS DATE
0100	TURBIDITY	83783		1.8	180.1	0.1	10/15/92

TRICHALOMETHANE ANALYSIS

17-550.310(2)(c)
 (PWS027)

PARAMETER ID	NAME	SAMPLE #	LOCATION CODE	ANALYSIS RESULT (mg/liter)	ANALYTICAL METHOD	DET. LIMIT USED	ANALYSIS DATE
Potential THM					510.1		
2950	THM				501.2	0.001	

D. E. R.

DEC 18 1992

3414

SOUTHWEST DISTRICT
 TAMPA

1414 bam



SUGARHILL WOODS OFFICE
5040 West Oak Park Blvd
Homosassa, FL 32646
(904) 382-2500

February 3, 1993

Mr. Robert P. Barker,
Environmental Specialist II
Drinking Water Section
Dept of Environmental Regulation
3804 Coconut Palm Drive
Tampa, Florida 33618-8318

RE: M.C.L. Exceeded on Turbidity
C.L. Smith (E11-Nar)
PHS #6511330

Dear Mr. Barker:

This is to acknowledge your letter dated January 12, 1993 on the above referenced system.

Enclosed please find the recheck sample you requested.

If you have any questions or need any additional information, please do not hesitate to contact me at (904) 382-2500.

Sincerely,



JOHN LEVESQUE,
Area Supervisor

Enc.

cc: Mel Fisher
Bill Williams

3415



PASCO COUNTY, FLORIDA

REPORT OF ANALYSES

SSU SERVICES
1000 COLOR PL.
APOPKA, FL 32703-
Attn: LARRY RAMSEY

DATE: 01/25/93

SAMPLE NUMBER- 12392
DATE SAMPLED- 01/22/93 *
DATE RECEIVED- 01/22/93
RECEIVED BY- MR

SAMPLE ID- CL SMITH WELL
TIME SAMPLED- 0845
DELIVERED BY- LARRY RAMSEY

Page 1 of 1

ANALYSIS

TURBIDITY

METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
EPA180.1	01/22/93	1100	JK	0.23	NTU

LABORATORY DIRECTOR

3416

1416

**STATUS OF WASTEWATER
SYSTEM'S DEFICIENCIES**

**REQUIRING TWELVE MONTH
RESPONSE**

DOCKET NO. 920199-WS

3417

1417

STATUS OF QUALITY OF SERVICE

System Name: Beechers Point-Wastewater

Status Report Date: 5/14/93

County: Putnam

Area of Resp. Operations/Env. Services

I. Deficiency: Nitrate levels exceed permit conditions.

II. Corrective Action: Operator was unable to haul sludge off site due to property and easement dispute with adjacent homeowner which lasted several months during the summer of 1992. Since the resolution of the dispute, sludge has been routinely removed from the process and nitrate levels have consistently been below the level set forth in the operating permit.

III. Current Status: Problem resolved.

IV. Estimated Completion Date:

Distribution:

Region Manager:
Area Supervisor:
Engineering:
Environmental Services:
Rates:
Operations Administration:

System Name: Fox Run - Wastewater

Status Report Date: 5/14/93

County: Martin

Area of Resp. Env.
Services/Corp.Development

I. Deficiency: Inadequate disposal capacity.

II. Corrective Action: Interconnect with Martin Downs Utilities and abandon our treatment facility.

III. Current Status: Attached is a copy of the executed Bulk Wastewater Service Agreement dated May 10, 1993 between SSU and Martin Downs Utilities. Construction is to begin next week consisting of a force main from our master lift station to be tied into Martin Downs existing force main. The project will be completed by July of this year. Our treatment facility will be then be abandoned.

IV. Estimated Completion Date: July 1993

Distribution:

Region Manager:
Area Supervisor:
Engineering:
Environmental Services:
Rates:
Operations Administration:

3419



General Offices

1000 Color Place
Apopka, FL 32703
(407) 880-0058

May 11, 1993

David R. Guinta
President
Martin Downs Utilities, Inc.
P.O. Box 620
Palm City, Florida 34990

Dear Mr. Guinta:

Transmitted herewith is a fully executed copy of our Bulk Wastewater Service Agreement complete with all exhibits, and our check #98460 for \$98,975.00 as per the agreement.

Southern States Utilities would like to thank you and especially Lou Ann Donnell for the splendid cooperation and hard work demonstrated these past few weeks to bring this agreement to fruition.

Enclosed is my card and should you need information or assistance in the future, please do not hesitate calling me.

Sincerely,

Charles L. Sweat
Vice President
Corporate Development

bcc: Bert Phillips w/o attachments
Charles E. Wood
Karla Teasley
Forrest Fields
Carlyn Kowalski
Bruce Paster
Rafael A. Terrero
Mel Fisher
Jim Ragsdale

**SOUTHERN STATES UTILITIES, INC.,/MARTIN
DOWNS UTILITIES, INC., BULK WASTEWATER
SERVICE AGREEMENT**

CONTRACT NO. _____

THIS AGREEMENT is made and entered into this 10th of May, 1993, by and between Martin Downs Utilities, Inc., a Florida corporation ("Martin"), and Southern States Utilities, Inc., a Florida corporation ("SSU").

RECITALS

1. Martin is empowered by virtue of the Florida Public Service Commission's ("FPSC") issuance of Certificate of Authorization No. 301-S, as amended from time to time pursuant to Chapter 367, Florida Statutes, to provide wastewater service within Martin County, Florida, and pursuant to such authority, presently furnishes wastewater service to retail customers in the Service Territory described in the legal description attached hereto and incorporated herein by reference as Exhibit "A."

2. SSU is empowered by virtue of the Florida Public Service Commission's ("FPSC") issuance of Certificate of Authorization No. 319S, as amended from time to time pursuant to Chapter 367, Florida Statutes, to provide wastewater service within Martin County, Florida, and pursuant to such authority, presently furnishes wastewater services to customers in the Service Territory known as "Fox Run," described in the legal description attached hereto and incorporated herein by reference as Exhibit "B."

3. Martin and SSU both recognize the desirability and the need to provide wastewater service to their customers in a manner which is both economical and consistent with the water conservation and management policy of the State of Florida.

4. Duplication of wastewater service facilities by the parties could result in needless and wasteful expenditures and wasted resources.

5. SSU has requested and Martin has agreed to provide bulk wastewater service to SSU's Fox Run service territory.

6. In accordance with the foregoing objectives, Martin and SSU wish to implement a bulk wastewater service agreement.

7. Nothing contained herein is intended to prohibit persons or corporations from lawfully providing wastewater service within Martin County, Florida, subject to applicable state law, including, but not limited to, the Martin County Comprehensive Plan, as amended (hereafter "applicable law"). SSU and Martin do not intend to and are not by this Agreement (1) placing undue or unreasonable restrictions upon free competition, (2) fixing prices, or (3) unreasonably limiting the availability of wastewater service capacity.

ACCORDINGLY, in consideration of the recitals, agreements, and mutual covenants contained herein, and other good and valuable consideration the receipt and sufficiency of which are acknowledged by the parties, the parties agree as follows:

SECTION 1. RECITALS. The above recitals are true and correct, and by this reference are incorporated into this Agreement.

SECTION 2. DEFINITIONS. Martin and SSU agree that in construing this Agreement, the following words, phrases, and terms shall have the following meanings unless the context requires otherwise:

2.1. "Agreement" means this Southern States Utilities, Inc.,/Martin Downs Utilities, Inc., Bulk Wastewater Service Agreement, as it may from time to time be modified.

2.2. "Connection Facilities" means those facilities, including but not limited to force mains, pipes, lift stations, meters and appurtenant facilities that are necessary to convey wastewater from the SSU Fox Run System to the Connection Point, as shown on Exhibit "C."

2.3. "Connection Point" means that location, shown on Exhibit "C", attached hereto and incorporated herein by reference, in Martin's wastewater collection system where the System shall be physically connected for the purpose of providing bulk wastewater service.

2.4. "Customers" means and is confined to retail wastewater customers of SSU, residing in the territory known as "Fox Run."

2.5. "GPD" means gallons per day, annual average basis.

2.6. "System" means those wastewater collection facilities which convey raw wastewater from the Fox Run Customers to treatment and disposal facilities in accordance with all applicable governmental regulations.

SECTION 3. Martin AND SSU WASTEWATER SYSTEMS CONNECTION.

Subject to Martin County's approval and to the terms, conditions, and procedures set forth in this Agreement, Martin agrees to connect the System at the Connection Point and to provide bulk wastewater service for the benefit of SSU's Customers. The terms, conditions, and procedures for connection are set forth below:

3.1. Bulk Wastewater Service. In accordance with this Agreement, Martin shall accept, treat, and dispose of, in accordance with all applicable governmental regulations, approximately 24,000 gallons per day, annual average daily flow, of wastewater from the System.

3.2. Construction, Ownership and Maintenance of the Connection Facilities. Pursuant to the terms of this Agreement, Martin shall design, obtain all necessary governmental approvals for and construct the Connection Facilities. The Connection Facilities shall be designed to the appropriate standards recommended by state and regional agencies and Martin County. Martin shall pay all costs associated with modifying an existing SSU lift station as part of the construction of the Connection Facilities to send wastewater from the System to Martin. SSU shall donate the lift station to Martin by Bill of Sale in substantially the form provided in Exhibit "D." SSU shall convey an access easement to Martin to operate and maintain the lift station. The easement shall be in the form provided in Exhibit "E." Martin shall be solely responsible for future operation and maintenance of the Connection Facilities.

3.3. Bulk Service Rate. SSU shall pay to Martin a total bulk service rate of Four Thousand Six Hundred Forty-Three and 80/100 Dollars (\$4,643.80) per month. This rate, including any or all components thereof, may be adjusted upward or downward from time to time in accordance with Martin's rate-setting procedures, or those of any successor in interest. Martin shall notify SSU at least ninety (90) days before imposing a rate different from the rate set forth herein.

3.4. Capital Facilities Charge. On the date of execution of this Agreement, SSU shall pay Martin a Capital Facilities Charge of Ninety-Eight Thousand Nine Hundred Seventy-Five Dollars

(\$98,975.00), based on Nine Hundred Twenty-Five Dollars (\$925.00) per ERC for 107 ERC's of wastewater flow from the total number of Customers evidencing full build-out of the Fox Run System.

3.5. Maintenance of Facilities within the SSU Service Territory. SSU shall remain responsible for operation and maintenance of those parts of the System within its Service Territory shown on Exhibit "B" excluding the lift station and force main which Martin shall own and operate as described in Section 3.2.

SECTION 4. SERVICE STANDARDS. Martin and SSU agree to comply with all state, regional, and federal requirements and rules applicable to the provision of wastewater service to the public.

SECTION 5. DISCLAIMER OF THIRD PARTY BENEFICIARIES. This Agreement is solely for the benefit of the formal parties herein and no right or cause of action shall accrue upon or by reason hereof, to or for the benefit of any third party not a formal party hereto. Nothing in this Agreement expressed or implied is intended or shall be construed to confer upon or give any person or corporation other than the parties hereto any right, remedy or claim under or by reason of this Agreement or any provisions or conditions hereof.

SECTION 6. BINDING EFFECT. All of the provisions, representations, covenants and conditions herein contained shall inure to the sole benefit of and shall be binding upon the

parties hereto and their respective representatives, successors and assigns.

SECTION 7. AUTHORITY TO EXECUTE. The signature of a person hereunder shall be a personal warranty that he/she has the authority to execute this Agreement on behalf of the party for whom he/she appears.

SECTION 8. ASSIGNMENTS. Either party shall have the right to independently assign all or any part of this Agreement, and the rights, duties, and obligations hereunder so long as it sends written notice to the other party, as provided for in Section 9 herein, of the assignment or transfer not less than thirty (30) days before the effective date of the assignment or transfer. This notice requirement shall not apply to the assignment from Martin to Martin County, but shall apply to any future assignments.

SECTION 9. NOTICE; PROPER FORM, DELIVERY. Any notice required or allowed to be delivered hereunder shall be in writing and shall be deemed to be delivered when (1) hand delivered or sent by facsimile transmission to the official hereinafter designated, or (2) upon receipt of such notice when deposited in United States mail, postage prepaid, certified mail, return receipt requested, addressed to a party at the address set forth opposite the party's name below, or at such other address as the party shall have specified by written notice to the other party delivered in accordance herewith:

SSU: Mr. Charles L. Sweat, Vice President
Southern States Utilities, Inc.
1000 Color Place
Apopka, Florida 32703

Martin: Ms. Lou Ann Donnell, Utilities Director
Martin Downs Utilities, Inc.
P.O. Box 620
Palm City, Florida 34990-0620

SECTION 10. INDEMNIFICATION. Consistent with all applicable State law, including but not limited to Chapter 768, Florida Statutes, SSU and Martin agree to hold the other harmless from the negligent acts or omissions of themselves, their officers, employees, or agents.

SECTION 11. SEVERABILITY. If any part of this Agreement is found invalid or unenforceable by any court, such invalidity or unenforceability shall not affect the other parts of this Agreement if the rights and obligations of the parties contained therein are not materially prejudiced and if the intentions of the parties can continue to be effected. To that end, this Agreement is declared severable.

SECTION 12. TIME OF THE ESSENCE. Time is hereby declared of the essence to the lawful performance of the duties and obligations contained in this Agreement.

SECTION 13. APPLICABLE LAW. This Agreement and the provisions contained herein shall be construed, controlled, and interpreted according to the laws of the State of Florida.

SECTION 14. DEFAULT; NOTICE, OPPORTUNITY TO CURE. Each of the parties hereto shall give the other party written notice of

any defaults hereunder and shall allow the defaulting party thirty (30) days from the date of receipt to cure such defaults. The injured party, however, may agree for the defaulting party to have more than 30 days to cure. If the parties agree for a longer period of time to cure, the defaulting party must begin its agreed-upon cure within thirty (30) days after receipt of notice and proceed with reasonable diligence to remedy the default. Otherwise, the injured party may, without further notice, terminate this Agreement.

SECTION 15. ENTIRE AGREEMENT. This instrument constitutes the entire agreement between the parties and supersedes all previous discussions, understandings and agreements between the parties relating to the subject matter of this Agreement. Amendments to and waivers of the provisions herein may only be made by the parties in writing by formal amendment.

SECTION 16. RECOVERY OF COSTS AND FEES. In the event that either party is required to enforce this Agreement by court proceedings or otherwise, then the prevailing party shall be entitled to recover from the other party all costs incurred, including reasonable attorneys' fees, whether incurred before, during or after such court proceedings or on appeal.

SECTION 17. RECORDATION, DOCUMENTARY STAMPS. SSU may, at its sole expense, record evidence of this Agreement in the Official Records of Martin County, Florida.

SECTION 18. COSTS OF THIS TRANSACTION. Each party to this Agreement shall bear its own attorney's fees, engineering and

accounting fees and all other costs incurred by it in preparation of this Agreement.

SECTION 19. CONDITION SUBSEQUENT TO THE EFFECTIVENESS OF THIS AGREEMENT. The parties recognize that Martin has agreed to sell its wastewater treatment facilities to Martin County. Therefore, this Agreement shall become effective upon execution but shall terminate if Martin County disapproves or rejects this Agreement. If this Agreement terminates pursuant to this Section 19, Martin shall within thirty (30) days repay to SSU all monies received hereunder. Martin shall promptly send SSU written notice of any action taken by Martin County on the Agreement.

IN WITNESS WHEREOF, the parties hereto have hereunder executed this Bulk Wastewater Services Agreement on the date and year first above written.

WITNESS:

x: Terril L. King
TERRIL L. KING

x: Jane Dall
JANE DALL

MARTIN DOWNS UTILITIES, INC.

By: David R. Giunta
David R. Giunta,
President

Date: 5/6/93

(CORPORATE SEAL)

STATE OF FLORIDA
COUNTY OF MARTIN

The foregoing instrument was acknowledged before me this 6TH day of May, 1993, by DAVID R. GIUNTA, President of MARTIN DOWNS UTILITIES, INC., a Florida corporation, on behalf of the

corporation. He/~~she~~ is (personally known to me) (~~or has produced~~) (~~type of identification~~) (~~as identification~~) and (~~did/did not~~) take an oath.



Jane Dall
(Signature)

JANE DALL
(Print Name)
Notary Public
My Commission Expires: 11-30-96

WITNESS:

x: Edith M. Morrow
Edith Morrow
x: Vicki Steffey
Vicki Steffey

SOUTHERN STATES UTILITIES, INC.

By: Charles L. Sweat
CHARLES L. SWEAT,
Vice President
Corporate Development

Date: May 10, 1993

(CORPORATE SEAL)

STATE OF FLORIDA
COUNTY OF ORANGE

The foregoing instrument was acknowledged before me this 10th day of May, 1993, by CHARLES L. SWEAT, Vice President, of SOUTHERN STATES UTILITIES, INC., a Florida corporation, on behalf of the corporation. He is (personally known to me) (~~or has produced~~) (~~type of identification~~) (~~as identification~~) and (~~did/did not~~) take an oath.

Joyce Reissig Helcher
(Signature)

Joyce Reissig Helcher
(Print Name)
Notary Public
My Commission Expires:

294/21:381/A

Joyce Reissig Helcher
My Commission Expires
July 17, 1994
CC 030724

**LIST OF EXHIBITS TO BE PREPARED
FOR THIS AGREEMENT**

**EXHIBIT 'A' LEGAL DESCRIPTION OF MARTIN'S
SERVICE TERRITORY
1 PAGE**

**EXHIBIT 'B' LEGAL DESCRIPTION OF SSU'S SERVICE
TERRITORY
1 PAGE**

**EXHIBIT 'C' THE CONNECTION FACILITIES
1 PAGE**

**EXHIBIT 'D' BILL OF SALE
2 PAGES**

**EXHIBIT 'E' ACCESS EASEMENT
2 PAGES**

3432

1432

EXHIBIT "A"

Township 38 South, Range 40 East:

Sections 1, 2, 3, 10, 11, 12, 13, 14, 15, the Northern One Half of Sections 22 and 23, and all of Sections 24 and 25 lying East of the Florida Turnpike,

and

Township 38 South, Range 41 East:

Sections 6, 7, 17, 19, 20, 29, 30, 31 lying West of the St. Lucie River and East of the Florida Turnpike, all in Martin County, Florida.

3433

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EFFECTIVE DATE: 8/22/88

ORIGINAL SHEET NO. _____

ORDER NUMBER: 19860SYSTEM NAME: FOX RUNCOUNTY: MARTINTERRITORY SERVED

Township 38 South, Range 40 East

Section 12 .

Beginning at the Northwest corner of the Northeast 1/2 of the Northeast 1/2 of said Section 12, thence run South 00 degrees 37 minutes 42 seconds East a distance of 1322 feet to a point on the Northern R-O-W of S.W. Murphy Road, thence following said R-O-W run South 89 degrees 27 minutes 42 seconds East a distance of 480 feet to a point on the Western R-O-W of S.W. Pine Tree Lane, thence following said Western R-O-W run North 00 degrees 34 minutes 51 seconds East a distance of 854 feet, thence run North 76 degrees 30 minutes East a distance of 246 feet, more or less, to a point on the high water line of the Hidden River, thence following said high water line which meanders in a North-Northwesterly direction a distance of 565 feet, thence North 89 degrees 36 minutes 21 seconds West a distance of 345 feet, more or less, to the Point of Beginning.

AND

Beginning at the point of intersection of West Murphy Road and the Eastern high water line of the Hidden River, thence following the North R-O-W of said West Murphy Road in an Easterly direction a distance of 575 feet, thence North 00 degrees 32 minutes 43 seconds East a distance of 1325 feet to a point in the middle of an existing waterway, thence North 89 degrees 36 minutes 21 seconds West a distance of 1364 feet, more or less, to a point on the Eastern highwater line of the Hidden River, thence following said high water line which meanders in a Southerly direction a distance of 1500 feet, more or less, to the Point of Beginning.

3434

1434

BILL OF SALE

KNOW ALL MEN BY THESE PRESENTS:

That Southern States Utilities, Inc., a corporation organized and existing under and by virtue of the laws of the State of Florida, having its principal place of business in the City of Apopka, and County of Orange in the State of Florida, of the first part, for and in consideration of the sum of ten Dollars, in lawful money (and other good and valuable considerations unto it moving) to it paid by Martin Downs Utilities, Inc., of the City of Palm City, County of Martin, and State of Florida, of the second part, the sufficiency and receipt of which is hereby acknowledged by it, has granted, bargained, sold, transferred, set over and delivered, and by these presents does grant, bargain, sell, transfer, set over and deliver unto the party of the second part, Martin Downs Utilities, Inc. and assigns all those certain goods and chattels, described as follows:

See Exhibit "D" Page 2

TO HAVE AND TO HOLD the same unto the party of the second part, Martin Downs Utilities, Inc. and assigns forever.

And the party of the first part, for itself and its successors, hereby covenants to and with the party of the second part, Martin Downs Utilities, Inc. and assigns that it is the lawful owner of the said goods and chattels; that they are free from all liens and incumbrances; that it has good right to sell the same as aforesaid, and that it will warrant and defend the same against the lawful claims and demands of all persons whomsoever.

IN WITNESS WHEREOF, the party of the first part has caused its corporate name to be hereunto subscribed and its corporate seal to be affixed by its officer, Charles L. Sweat hereunto duly authorized, this 10 day of May, A.D. 19 93

Signed, sealed and delivered
in our presence:

Vicki Steffey
Vicki Steffey
Edith M. Morrow
Edith M. Morrow

Charles L. Sweat
By: Charles L. Sweat
Vice President

This instrument should be returned to:

Southern States Utilities, Inc.
1000 Color Place
Apopka, Florida 32703

3436

• • 1436

PROPERTY AS LOCATED WITHIN THE EASEMENT AS DESCRIBED IN EXHIBIT 'E'

ONE (1) WET WELL - 4' DIAMETER REINFORCED
PRECAST CONCRETE - 11' DEEP, COMPLETE
WITH HALLIDAY ALUMINUM COVER

3437

1437

EASEMENT

KNOW ALL MEN BY THESE PRESENTS: That, for and in consideration of the sum of Ten Dollars (\$10.00) and other good and valuable considerations, in hand paid, the sufficiency and receipt of which is hereby acknowledged, Southern States Utilities, Inc., a corporation existing under the laws of the State of Florida (the "Grantor"), does hereby grant and bestow unto Martin Downs Utilities, Inc., a Florida corporation, its successors and assigns, a perpetual utility easement, in and to, over and under, all of the property described herein (the "Property") for the purpose of ingress, egress, installation, maintenance and/or repair of water and sewer facilities.

The easement hereby granted covers that certain Property which is situate and being in Martin County, Florida, more particularly described on Exhibit "A" attached hereto and made a part hereof by this reference.

Grantor hereby covenants with Martin Downs Utilities, Inc., that it is lawfully seized and in possession of the real property herein described and that it has good and lawful right to grant the aforesaid easement.

IN WITNESS WHEREOF, Grantor hereof has caused these presents to be executed in its corporate name and its corporate seal affixed this 10th day of May, 1993.

Signed, Sealed and Delivered
in the presence of:

Edith M. Morrow
Name: Edith M. Morrow

Vicki Steffey
Name: Vicki Steffey

Southern States Utilities, Inc.,
a Florida corporation

By: Charles L. Sweat
Name: Charles L. Sweat, Vice President

State of Florida
County of Orange

The foregoing instrument was acknowledged before me this 10th day of May, 1993, by Charles L. Sweat as Vice President of Southern States Utilities, Inc., a Florida corporation, on behalf of the corporation. ~~They are~~ He is personally known to me or ~~produced~~ as identification and did/did not take an oath.

Joyce Reissig Helcher
Notary Public

Name:
Commission Number:
My Commission Expires:

Joyce Reissig Helcher
My Commission Expires
July 17, 1994
CC 030724

This instrument prepared by and should be returned to:
Karia Olson Teasley, Esquire
Southern States Utilities, Inc.
1000 Color Place
Apopka, Florida 32702

3438

1438

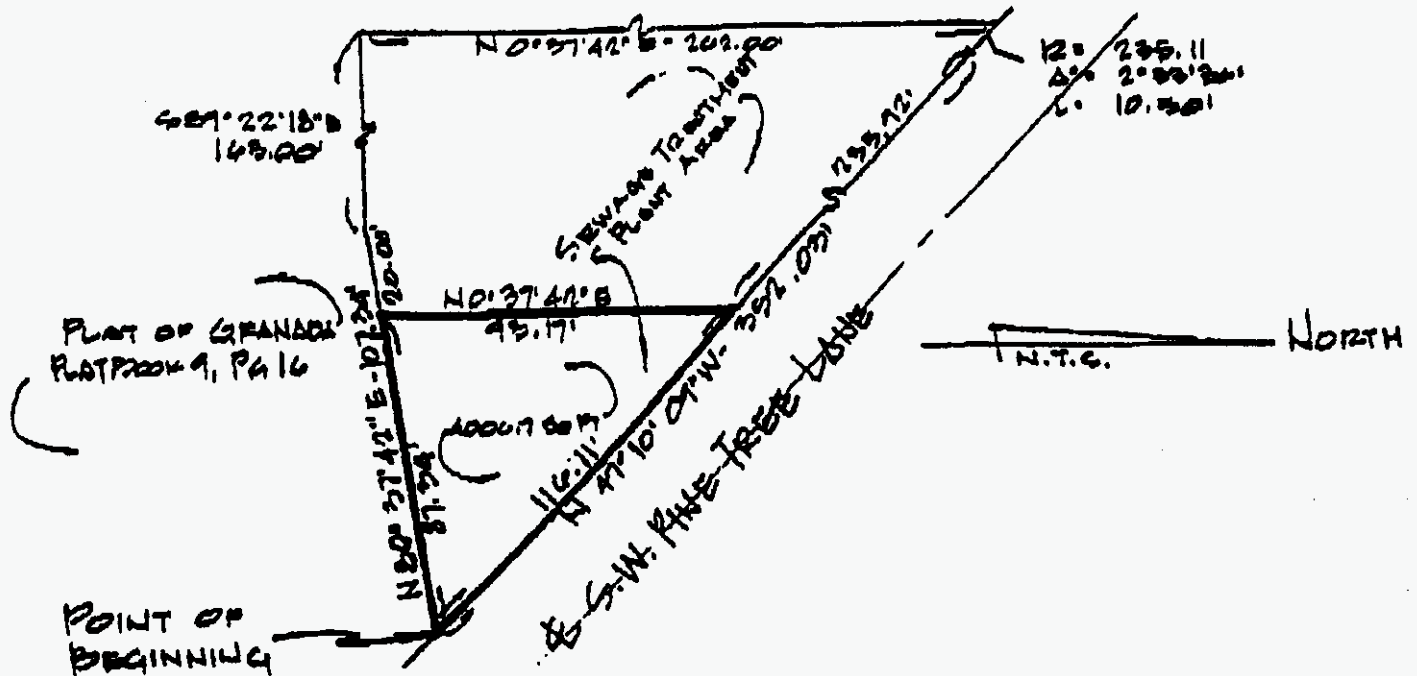
Exhibit "A"

D E S C R I P T I O N

Being a triangular shaped portion of the Sewage Treatment Plant area of FOX RUN PHASE ONE as recorded in Plat Book 7, Page 39, Public records of Martin County, Florida, and being more particularly described as follows:

BEGIN at the point of intersection of the south line of the said Sewage Treatment Plant area and the Westerly right-of-way line of S.W. Pine Tree Lane: thence S 80°37'42" W, along the said south line, a distance of 87.34 feet; thence N 00°37'42" E a distance of 93.17 feet, to the intersection with the said westerly right-of-way line of S.W. Pine Tree Lane: thence S 47°10'09" E, along said right-of-way line, a distance of 116.11 feet to the POINT OF BEGINNING.

Containing 4006.7 square feet, more or less.



Prepared by
RICHARD W. PULLMAN, P.L.S.,
REGISTERED LAND SURVEYOR
FLORIDA LICENSE NO. 7050
1899 SW GUNNAT TRAIL
PALM CITY, FL. 32910
(407) 220-1100

3439
1439

System Name: Lellani Hts - Wastewater	Status Report Date: 5/14/93
County: Martin	Area of Resp. Env. Services
<p>I. Deficiency: Notice of Noncompliance (See attached letter from FDER)</p>	
<p>II. Corrective Action: See written response dated October 13, 1992 from SSU explaining the reasons for the noncompliance items.</p>	
<p>III. Current Status: No further requests were made after our October 13, 1992 response.</p>	
<p>IV. Estimated Completion Date:</p>	
<p><u>Distribution:</u></p> <p>Region Manager: Area Supervisor: Engineering: 3440 Environmental Services: Rates: Operations Administration:</p>	



Florida Department of Environmental Regulation

Southeast District Branch Office • 1801 S.E. Hillmoor, Suite C202 • Port St. Lucie, FL 34952

Lawton Chiles, Governor

Carol M. Browner, Secretary

MGT FILE
1) LEILANI HTD.
2) ~~INS~~ CONSENT ORDER NOTEBOOK
3) INSPECTION NOTEBOOK

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

NOTICE OF NONCOMPLIANCE

FILED

OCT 02 1992
Mr. Raphael Terrero, Manager
Southern States Utilities, Inc.
1000 Color Place
Apopka, Florida 32703

DW - Martin County
Leilani Heights WWTP
Permit No.: DO-43-194646

OCT 02

ENVIRONMENTAL SERVICES

Dear Mr. Terrero:

An inspection of your wastewater facility on August 26, 1992, revealed the following noncompliance items:

The chlorine residual in the effluent was measured by the Department as 0.2 mg/L. This is below the minimum 0.5 required by your permit.

Fecal coliform results were greater than 800 colonies/100 mL. The value was reported in this fashion due to excessive growth on the culture plates. At no time is a single sample to exceed 800 colonies/100 mL.

The total suspended solids were 173 mg/L. This also is in excess of the permit limitation of 60 mg/L for any single grab sample. The inspector observed heavy carry-over from the clarifier.

Treatment problems regarding total suspended solids were brought to the attention of Southern States Utilities in a notice issued by the Department on June 15, 1992. At that time, there were heavy accumulations of sludge in one of the ponds and the filters were out of service. These problems were to have been corrected as indicated by reply from Southern States.

You may wish to consult with your operator and/or engineer to address the above items.

Please be aware that this letter does not supersede other Department correspondence, notification of deficiencies in other areas, enforcement actions, etc.

The Department requests that you respond within fifteen (15) days of receipt of this notice with a plan for achieving compliance. If the problems are not resolved in a timely manner, the Department may take enforcement action. If you have any questions, please contact William Thiel at (407) 878-3890 or (407) 335-4310.

cc: Karla Teasley
Ralph Terrero
Jim Ragsdale
Sam Sparks
Tim Vansdale
Chuck Wood
Bruce Preter

Chris Arcand
Mary Shannon
Frank Sanderson

Sincerely,

John A. Meyer
John A. Meyer
Port St. Lucie Branch Manager

JAM/wts

cc: Domestic Wastewater Permitting, DER, West Palm Beach

3441



1441



General Offices

1008 Color Place
Apopka, FL 32703
(407) 880-0058

October 13, 1992

Mr. John A. Meyer
Port St. Lucie Branch Manager
F.D.E.R., Southeast District
1801 S.E. Hillmoor, Suite C-202
Port St. Lucie, FL 34952

Re: Leilani Heights WWTP Inspection

Dear Mr. Meyer:

This letter is in response to the August 26, 1992 treatment plant inspection at the Leilani Heights WWTP and non-compliance items noted as follows:

- #1. The chlorine residual in the effluent was measured by the Department as 0.2 mg/L. This is below the minimum 0.5 required by your permit.
- #2. Fecal Coliform results were greater than 800 colonies/100 mL. The value was reported in this fashion due to excessive growth on the culture plates. At no time is a single sample to exceed 800 colonies/100 mL.
- #3. Total suspended solids were 173 mg/L. This also is in excess of the permit limitation of 60 mg/L for any single grab sample. The inspector observed heavy carry-over from the clarifier.

Response:

These items were all the result of solids carry-over from the clarifier. On August 23, 1992, the Operator logged 1.5 inches of rainfall, 0.5 on the 24th, and 0.2 on the 25th for a total of 2.2 inches for the three day period. At 12:00 A.M. through 8:00 A.M. on the 26th, the plant flow meter recorded a sustained flow of .195 mgd for that eight hour period and a total of .155 mgd for the 24 hour period. Under these conditions, the detention time in the clarifier is not sufficient to allow complete settling.

John A. Meyer
Port St Lucie DER
Inspection Report Response
August 26, 1992

#4.

Treatment problems regarding the total suspended solids were brought to the attention of Southern States Utilities in a notice issued by the Department on June 15, 1992. At that time, there were heavy accumulations of sludge in one of the ponds and the filters were out of service. These problems were to have been corrected as indicated by reply from Southern States.

Response:

The operational changes indicated in response to the June 15 inspection have resulted in a better operation. Under normal conditions, the plant has good effluent clarity. The pond in use during August and September does not reflect an accumulation of solids as in the inspection of June 15, 1992. This would indicate that the bulking is not an on-going condition.

Should these items require further response, please let us know.

Sincerely,



Sam Sparks
Area Supervisor

/plb

cc: Raphael Terrero Bruce Paster, Systems Engineer
 Jim Ragsdale Tim Vanasdale, Lead Operator
 Frank Sanderson

System Name: Point O Woods -
Wastewater

Status Report Date: 5/14/93

County: Citrus

Area of Resp. Operations

I. Deficiency: Overgrown Percolation Ponds

II. Corrective Action: Proposals received for cleaning of ponds.

III. Current Status: Ponds will be cleaned out during 3rd quarter of this year.

IV. Estimated Completion Date: During 3rd Quarter of this year.

Distribution:

Region Manager:
Area Supervisor:
Engineering:
Environmental Services:
Rates:
Operations Administration:

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System Name: Sugar Mill Woods -
Wastewater

Status Report Date: 5/14/93

County: Citrus

Area of Resp. Engr/Env. Services

I. Deficiency: Various Effluent Violations and No Fence

II. Corrective Action: Replaced numerous spray heads in spray field. Monitoring wells rehabilitated.

III. Current Status: Design and permitting of 0.5 MGD expansion budgeted to be completed in later part of 1993, with construction commencing in 1994. Expansion will include the fence. Requests for proposals have been sent to several engineering firms and we are awaiting submittal. Continue to update in next status report.

IV. Estimated Completion Date: Mid 1994

Distribution:

Region Manager:
Area Supervisor:
Engineering:
Environmental Services:
Rates:
Operations Administration:

3445

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System Name: University-Wastewater

Status Report Date: 5/14/93

County: Orange

Area of Resp. Engr/Env. Services

I. Deficiency: Effluent Disposal Capacity

II. Corrective Action: Modifications to existing effluent disposal sites and study to determine the feasibility of additional sites for effluent disposal. See the attached correspondence and copy of Water Reuse Rerating Study performed by PBG&S dated April 15, 1993.

III. Current Status: See the attached outline of modifications and improvement currently being undertaken. It is anticipated that the study being performed on alternative disposal sites will be completed within the next few weeks. A copy of that study will be provided in the next status report.

IV. Estimated Completion Date: Mid 1994

Distribution:

Region Manager:
Area Supervisor:
Engineering:
Environmental Services:
Rates:
Operations Administration:

3446



General Offices

1000 Color Place
Apopka, FL 32703
(407) 880-0058

Via Federal Express

May 7, 1993

Mr. Alex Alexander, P.E.
District Director
Florida Department of Environmental Regulation
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803

RE: Orange County - DW
University Shores WWTP #2
Effluent Disposal Capacity

Dear Mr. Alexander:

In my April 15, 1993 letter to you regarding effluent disposal capacity at University Shores, I indicated that we would review the PBG&S study of our existing disposal sites and send you a schedule for improvements. The Operations and Engineering Divisions scheduled the improvements and have already completed a great deal of the work.

Arbor Ridge Drainfield

As noted in the PBG&S study, SSU had already performed work at the drainfield by April 15, 1993. Since then, additional fill material has been placed to help prevent surface ponding and to build up the sides of the berms. New flow meters were installed in March for each of the six sections of the drainfield.

Our operators are noting daily flows to each section. Although it is too early to determine efficient loading rates, it appears that the improvements have been helpful in 5 of the 6 sections of the drainfield. However, Section 1 developed some seepage through the berm yesterday, and we are presently determining the cause of this seepage.

S.R. 50 Ponds

The ponds are being alternately loaded and seem to have a good percolation rate. When one of the ponds is allowed to percolate/dry, it is then rototilled and maintained to prevent accumulation of solids and vegetation. A new rototiller was purchased last month to improve this process. Loading and recovery of the ponds is being monitored on a daily basis.

Trevarthon Road Ponds

The ponds are being alternately loaded and seem to have a good percolation rate. When one of the ponds is allowed to percolate and dry, it is then rototilled and maintained to prevent accumulation of solids and vegetation. A new meter was installed on March 28, 1993 to be able to continue monitoring of the loading and recovery of the ponds.

University Shores On-Site Percolation Ponds

The two on-site percolation ponds have both been completely rehabilitated. The ponds were completely emptied, graded, and rototilled to allow them to operate at maximum efficiency. This work was completed on April 19, 1993, and the ponds were placed back into service. Operations personnel have been instructed to help evaluate the efficiency of this system by carefully monitoring daily flow, water level heights, and rainfall. Our Engineering Division and consultant will help evaluate the capacity of these ponds as the data is tabulated.


Chapel Hill Cemetery Irrigation System

As noted in the PBG&S study dated April 15, 1993, approximately 38 of a total of 67 permitted acres have been used in the past for spray irrigation of the cemetery. Our consultant recommends a one-year testing program to apply reuse irrigation at rates up to 2.0 inches/week. All damaged spray heads have been replaced, and we believe that this system is capable of effluent reuse of much greater than the average of 223,000 gpd last year. Our operations personnel are monitoring daily flow and rainfall as well as the water level at the cemetery holding pond.

As I noted in my April 15 letter, a study is also being performed to examine the feasibility of additional sites for effluent disposal in the University Shores area. We expect to submit that study from our consultant by May 21, 1993.

Please contact me if you and your staff have any questions regarding this information.

Sincerely,



Melvin E. Fisher
Environmental Compliance
Administrator

MF/kh

Enclosure

c: Carlos Rivero de Aguilar, P.E.
Christianne C. Ferraro, P.E.
Al Castro, P.E.
David McIntyre, P.E., PBG&S Inc.

bc: Karla Teasley
Ralph Terrero
Carlyn Kowalsky
Jim Ragsdale
Sam Sparks
Rick Eck
Chuck Wood
Bruce Paster
Frank Sanderson
Mary Glennon

alexalex.1

3448

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General Offices

1000 Color Place
Apopka, FL 32703
(407) 880-0058

April 15, 1993

Mr. Alex Alexander, P.E.
District Director
Florida Department of Environmental Regulation
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803

Re: Orange County - DW
University Shores WWTP #2
Effluent Disposal Capacity

Dear Mr. Alexander:

Enclosed is a Water Reuse Rating Study of the effluent disposal sites associated with our operations at University Shores WWTP #2. The study performed by PBG&S looked at the 5 different disposal sites presently accepting effluent from the plant. Also attached is a Hydraulic Load Testing Program for the Chapel Hill Cemetery.

SSU has not had a chance to examine the study so that we can prepare a schedule for improvements to our existing sites. We will prepare the schedule and send it to you by May 7, 1993. Our Operations personnel have already begun to perform maintenance improvements at several sites.

We are also looking at other effluent disposal alternatives, and we expect that study to be submitted to you by May 21, 1993.

Please contact me if you and your staff have any questions regarding this submittal.

Sincerely,

Melvin E. Fisher
Environmental Compliance
Administrator

c: Carlos Rivero de Aguilar, P.E.
Christianne C. Ferraro, P.E.
Al Castro, P.E.
David McIntyre, P.E., PBG&S Inc.

alex3-4

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bc: Karla Teasley
Ralph Terrero
Frank Sanderson
Chuck Wood
Bruce Paster
Jim Ragsdale
Sam Sparks
Rick Eck
Mary Glennon

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PARSONS BRINCKERHOFF GORE & STORRIE, INC.
WATER RESOURCES ENGINEERING AND HYDROGEOLOGY

135 WEST CENTRAL BLVD., SUITE 720
ORLANDO, FLORIDA 32801
(407)426-7247 • FAX: (407)872-3339

April 15, 1993

Southern States Utilities, Inc.
1000 Color Place
Apopka, FL 32703

Attn: Mr. Bruce Paster, P.E.

RE: Water Reuse Rating Study, Performance Data Review
PBG&S Project No. 8763Q401/800.11

Dear Mr. Paster:

This letter summarizes the findings of our performance data review of SSU's reuse facilities which were presented to you in our letter¹ of January 19, 1993, supplemented with additional data provided by SSU and information derived from our meeting with FDER staff on March 23, 1993.

University Shores On-site Percolation Ponds

An assessment of the conditions at the on-site percolation ponds is presented in a 1988 report² by PSI/Jammal & Associates Division. This report indicates that the ponds originally operated successfully at a capacity of approximately 52,000 gpd, and that this capacity appears to have been largely lost due to the accumulation of vegetation and fine-grained sediments in the ponds. This conclusion appears consistent with our site inspection conducted on December 11, 1992, and with the 1992 flow total of only 8.4 million gallons (equivalent to 23,000 gpd AADF). It may be possible to restore most of the lost capacity by removing the plants and fine-grained sediments from the percolation ponds as outlined in the report. SSU staff are currently performing this rehabilitation work on the ponds. Once the work is complete, the ponds can be brought back into service, and the operating records can be used to assess the effective capacity of the system. PBG&S will provide guidance to SSU staff on data collection procedures to provide suitable data for performance assessment.

The 1988 report² also states that a hydrogeologic investigation was performed which included installation of two piezometers into the secondary layer of the surficial aquifer (ie. below the shallow semi-confining layer), and that groundwater modeling was performed to assess the potential benefits of trenching through the shallow confining layer. The report does not include the following information which is required to assess the proposed trenching alternative:

- Stabilized water elevations in the deep piezometers
- Model input and output data used in calibration simulations
- Model input and output data used to simulate the effects of installing trenches through the shallow semi-confining layer.

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Southern States Utilities, Inc.

April 15, 1993

Page 2

The proposal to trench through the shallow confining appears to be relatively expensive. Unfortunately, it will not be practical to achieve the same effect more cost-effectively by installing a series of filtered wells which are cased through the shallow confining layer and screened in the lower portion of the surficial aquifer because the FDER will consider them as injection wells. After the capacity assessment of the current rehabilitated pond configuration is performed, we can reassess the desirability of the trenching option if necessary. The FDER staff have indicated that this option would require a new engineering report to support the necessary permit application.

A 1992 report³ by PSI/Jammal & Associates Division recommends installation of a clay core keyed into the shallow confining layer between Pond B and the emergency holding pond. This appears unnecessary since the emergency holding pond is lined. We recommend against the installation of this clay core since it will cause seepage "breakouts" unless the land surface and the clay core between the ponds are raised above the water level in the percolation pond.

Chapel Hill Cemetery Irrigation System

According to a report⁴ by Jammal & Associates, the irrigation system at the Chapel Hill Cemetery was originally permitted in 1983 for a capacity of 200,000 gpd on an area of 49 acres, and the permit was increased in 1985 to a capacity of 285,000 gpd on an area of 67 acres. These capacities correspond to average application rates of 1.05 inches/week and 1.10 inches/week, respectively. The report indicated that the MODFLOW groundwater model was used to assess the available capacity, but no details of the model application were provided.

Flow records from 1992 indicate an average daily flow to the Chapel Hill Cemetery of 223,000 gpd, and discussions with SSU operating staff and Chapel Hill Cemetery staff indicate that this flow was applied to only 38 acres of the site. This corresponds to an application rate of 1.51 inches/week. The Chapel Hill Cemetery staff have indicated that they would be pleased to see increased reuse irrigation on the site by application of reuse water to the permitted portions of the site which were not irrigated in 1992. Based on the data from 1992, it appears that the site should be capable of providing a greater capacity than the 285,000 gpd for which it is currently permitted. We therefore recommend a field testing program to assess the total capacity of the site. The field testing program would involve careful monitoring of rainfall, irrigation flows and groundwater elevations across the site for a period of one year to account for the seasonal effects of fluctuations in irrigation demand. As discussed in our meeting with FDER staff on March 23, 1993, we recommend that SSU request approval from the FDER for a one-year testing program to apply reuse irrigation to the permitted parts of the site at rates up to 2.0 inches/week

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Southern States Utilities, Inc.
April 15, 1993
Page 3

(on an annual average flow basis). This would be equivalent to a maximum AADF flow of 520,000 gpd. A test loading program for the site is attached. PBG&S will provide assistance to SSU staff in implementing the test loading program, and will analyze the performance data at the end of the testing period.

Arbor Ridge Drainfield

The Arbor Ridge Drainfield has suffered from several operating problems in recent months:

- After rainfall events, surface water ponding was observed between the two trains of the southern portion of the drainfield.
- Sand was found to be entering the distribution piping from a damaged lift station.
- Breakouts were observed in the northern portion of the drainfield. These are thought to have resulted from uneven distribution of flows due to complete blockage of some of the distribution lines with sand.
- Flows to the different sections of the drainfield could not be assessed accurately due to failure of the flow meters.

SSU staff have remedied these problems as follows:

- Sand fill material was placed between the trains of the southern portion of the drainfield to raise the surface elevation so that rainfall would no longer cause surface water ponding.
- The damaged lift station was repaired.
- The blocked distribution lines in the drainfield were cleaned out.
- New flow meters have been installed to allow accurate measurement of flows to the three zones of the drainfield.

A letter^s from PSI/Jammal & Associates Division on August 8, 1991, recommended installation of 10 piezometers at the Arbor Ridge Drainfield, and outlined a program for collecting data to support a capacity rerating application for this site. A second letter^s, dated December 16, 1992, presented data collected from the piezometers from June 1, 1992 to August 31, 1992. The data from piezometers 6, 7 and 8 show a period at the beginning of their records where water table elevations are constant for a period of weeks. This is unusual, but the letter does not present any explanation of it. Unfortunately, the piezometer data are of limited value because the flow meters were not able to provide accurate estimates of flow to the three zones of the drainfield.

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Southern States Utilities, Inc.
April 15, 1993
Page 4

Now that the drainfield system has been repaired and new flow meters have been installed, we recommend that SSU re-institute a performance testing program for the drainfield. However, based on the 1992 reported flows of 229,000 gpd (AADF), it does not appear necessary to perform sustained testing at flows greater than the currently permitted 251,000 gpd (AADF). A temporary revision of the permitted capacity will therefore probably not be required for testing purposes. PBG&S will assist SSU staff to develop a data collection program to provide a basis for performance assessment of the drainfield system.

State Road 50 and Trevarthon Road Percolation Ponds

Information on the design basis for the State Road 50 and Trevarthon Road percolation ponds appears to be limited. The reported 1992 flows of 169,000 gpd (AADF) represent 86% of the currently permitted capacity (197,000 gpd) of these percolation ponds. Based on these flow data and our field observations of the percolation ponds on December 11, 1992, there does not appear to be any reason to alter the rated capacity of the ponds at this time. We recommend continued monitoring of the loading and recovery of the ponds with improved metering to allow more precise allocation of loads to each system.

References

1. Letter: "Water Reuse Rerating Study, Task 1 - Data Review", Project No. 800.11, by Parsons Brinckerhoff Gore & Storrie, Inc., January 19, 1993.
2. Report: "Evaluation of Existing Percolation Ponds, SSU, University Shores Percolation Ponds, Orlando, Florida", Project No. 83-1218-1 by PSI/Jammal & Associates Division, May 18, 1988.
3. Report: "Additional Subsurface Investigation of Effluent Disposal Ponds, University Shores Plant, Orange County, Florida", Project No. 757-28086 by PSI/Jammal & Associates Division, April 29, 1992.
4. Report: "Re-Evaluation of Effluent Disposal Capacity, Existing Sprayfield System, Chapel Hill Cemetery, Orange County, Florida", Project No. 82-769-2 by Jammal & Associates, Inc., February 24, 1989.

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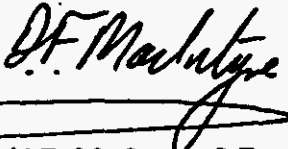
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Southern States Utilities, Inc.
April 15, 1993
Page 5

5. Letter: "Comments Resulting from Meeting at FDER on August 1, 1991, Regarding the University Shores/Arbor Ridge Effluent Disposal System for Southern States Utilities, Orange County, Florida", Project No. 757-16401 by PSI/Jammal & Associates Division, August 8, 1991.
6. Letter: "Groundwater Level Measurements, University Shores Effluent Disposal System, FPL Easement at Arbor Ridge, Orange County, Florida", Project No. 757-06401 by PSI/Jammal & Associates Division, December 16, 1992.

Sincerely,

Parsons Brinckerhoff Gore & Storrie, Inc.



David F. MacIntyre, P.E.
Manager, Groundwater Resources
Florida License No. 41984

15 April 93

w/ attachment

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HYDRAULIC LOAD TESTING PROGRAM FOR CHAPEL HILL CEMETERY

BACKGROUND

The Chapel Hill Cemetery is currently permitted to receive reuse irrigation water at a rate of 285,000 gpd from the University Shores wastewater treatment plant. These flows are permitted to be applied over an area of 67 acres (equivalent to an average application rate of 1.1 inches/week).

Flow records from 1992 indicate an average daily flow to the Chapel Hill Cemetery of 223,000 gpd, and discussions with SSU operating staff and Chapel Hill Cemetery staff indicate that this flow was applied to only 38 acres of the site. This corresponds to an average application rate of 1.51 inches/week. Based on these data, it appears that the site is capable of providing a greater capacity than the 285,000 gpd for which it is permitted. This document presents an approach to load testing the site to assess its effective capacity. The test loading program is based on loading of the 67 acres which are already permitted for reuse irrigation.

GROUNDWATER QUALITY MONITORING

The locations of the 5 monitoring wells on the Chapel Hill Cemetery site were originally selected based on irrigation across the 67 acres of permitted reuse area. These wells are located around the perimeter of the site, as shown in the attached figure by Jammal & Associates, Inc. Since the test loading program is intended to apply reuse water only to the currently permitted area, there should be no need to install additional water quality monitoring wells. Since the test loading program will be conducted using the same quality of water as is currently being applied to the site, and will be applied to the area which has already been permitted, the water quality parameters and frequency of groundwater quality sampling should remain the same as currently required by the operating permit.

POTENTIOMETRIC MONITORING

The site currently has 5 monitor wells and 6 piezometers which can be used to monitor the potentiometric response of the water table to reuse irrigation. The locations of the piezometers are shown the attached figure by Jammal & Associates, Inc. Subject to field verification of their locations, the spatial distribution of monitor wells and piezometers is acceptable except in the southeast and southwest corners of the site and in the area due north of the storage pond. The addition of one piezometer in each of these locations would improve the interpretation of water table mounding response. The suggested locations for the additional piezometers have been added to the figure by Jammal & Associates, Inc. The installation of a staff gage or stage recorder in the holding pond would also be helpful.

For the first three weeks of the load test, the water levels in all the wells and piezometers will be monitored daily by SSU staff to an accuracy of ± 0.01 ft. After the load test has run for three weeks, the daily data will be reviewed to assess the speed of mounding and recovery in response to loading. The

frequency of water well measurements will then be adjusted to provide an adequate representation of the rise and recession of water table elevations in response to periodic irrigation loads.

MEASUREMENT OF RAINFALL

Daily rainfall measurements are recorded at the University Shores WWTP which is located adjacent to the Chapel Hill Cemetery site. These daily rainfall values will be used in the load testing analysis.

MEASUREMENT OF REUSE IRRIGATION FLOWS

Reuse flows to the Chapel Hill Cemetery site will be recorded daily from the flow meter upstream of the holding pond on the site. Flows from the holding pond will either be measured directly using an in-line totalizing meter, or the flow rates from the pump will be metered for a limited period to calibrate the pump performance curve and subsequent flows will be calculated based on the calibrated flow rates and the duration of pumping.

The 67 irrigable acres of the site will be divided into 4 - 6 operating zones, based on operational convenience. The daily flows to each of the operating zones will be recorded by SSU operators. The flows to each of the operating zones will be adjusted upward by stages depending on the observed water table elevations in the wells and piezometers. The flows will be adjusted to determine the maximum flow which can be applied to the site while maintaining water tables at a depth at least 80 inches below ground surface in areas to be used for burials. In areas which are not to be used for burials, water tables will be maintained at elevations low enough to prevent runoff or surface water ponding on the upland portions of the site.

DURATION AND INTENSITY OF TESTING

The load testing program will continue for a period of 1 year in order to assess the effects of seasonal variations in rainfall and evapotranspiration. The intensity of load testing will be limited by the requirement to maintain water table at acceptable elevations. Average weekly irrigation intensities will not exceed 2 inches/week on an annual average basis.

COORDINATION BETWEEN PBG&S AND SSU

At the start of the load testing program, PBG&S staff will meet with SSU operations staff to present and discuss the methods to be used. PBG&S will provide the SSU operators with forms for recording the operational data from Chapel Hill Cemetery. PBG&S staff will also provide spreadsheet files for entry of the operational data. SSU staff will provide copies of the spreadsheet files to PBG&S on a monthly basis. PBG&S staff will review the files to ensure that the necessary data are recorded, and to assess the response of the site. PBG&S staff will advise the SSU operators if changes in the load testing program are required, based on the recorded operating data.

System Name: Zephyr Shores - Wastewater

Status Report Date: 5/14/93

County: Pasco

Area of Resp. Env. Services/Corp.
Development

I. Deficiency: Inadequate disposal capacity

II. Corrective Action: Interconnect with Pasco County and divert raw wastewater to the County for treatment as necessary.

III. Current Status: Interconnect completed December 16, 1992.

IV. Estimated Completion Date: Project Complete

Distribution:

Region Manager:

Area Supervisor:

Engineering:

Environmental Services:

Rates:

Operations Administration:

BULK WASTEWATER TREATMENT
AGREEMENT BETWEEN SOUTHERN STATES
UTILITIES, INC., AND PASCO COUNTY

THIS AGREEMENT, made and entered into this 3rd day of June,
A.D., 1992, by and between SOUTHERN STATES UTILITIES, INC., a Florida corporation,
organized under the laws of the State of Florida, hereinafter referred to as "UTILITY",
and PASCO COUNTY, a political subdivision of the State of Florida, acting by and through
its Board of County Commissioners, the governing body thereof, hereinafter referred to as
"COUNTY".

W I T N E S S E T H:

WHEREAS, the UTILITY has received a certificate from the Florida Public Service Com-
mission authorizing the provision of public sewer service to an area located in the
southeast portion of the COUNTY pursuant to Chapter 367.041, Florida Statutes; and,

WHEREAS, the UTILITY has requested the COUNTY to provide such bulk wastewater treat-
ment service for its existing customers and any new customers of the UTILITY'S system;
and,

WHEREAS, the UTILITY has agreed to transfer seventy-four (74) existing customers
within the Crystal Lakes Mobile Home Park Development to the COUNTY in exchange for a
long-term commitment by the COUNTY for bulk wastewater service and other considerations as
specified herein; and,

WHEREAS, subject to the conditions and limitations set forth herein, the COUNTY de-
sires to provide bulk wastewater treatment services to the UTILITY for the purpose of
offering centralized wastewater services from the COUNTY'S Southeast Subregional Waste-
water Treatment Plant which presently possesses sufficient excess capacity to provide such
treatment; and,

WHEREAS, in conjunction with the requested service, the COUNTY desires to provide
certain standards for the expansion of the UTILITY'S wastewater treatment system and cer-
tain requirements for the quality of wastewater delivered, as set forth in County Ord-
inance No. 87-10, by the UTILITY to the COUNTY for treatment.

NOW, THEREFORE, in consideration of the premises which shall be deemed an integral
part of this Agreement and of the mutual covenants and conditions set forth herein, the
COUNTY and UTILITY intending to be legally bound thereby, agree as follows:

Section I. Purpose.

It is the purpose and intent of this Agreement to provide for central pub-
lic sewer services to existing homes and structures and future homes and structures lo-
cated in the certificated area of Southern States Utilities, Inc., and to provide for

additional assurances of timely payment to the COUNTY of all costs incurred in the provision of such service by the COUNTY, including, but not limited to, cost of operation and maintenance, debt service costs, capital costs, renewal and replacement costs, and expansion costs. All terms and conditions contained herein shall be read and interpreted in a manner consistent with and in furtherance of this purpose and intent.

Section II. Bulk Wastewater Treatment Service.

A. Subject to the conditions and limitations set forth in this Agreement, the COUNTY shall provide bulk wastewater treatment services in an amount of sixty thousand (60,000) gallons per day (annual average) to the UTILITY. Such services shall be provided through a proposed connection with the UTILITY'S system. The type of connection shall be approved by the COUNTY prior to the time that the work is actually performed. The location of the initial interconnect shall be at the existing wastewater pump station located within the Crystal Lakes Mobile Home Park which currently pumps wastewater from the Crystal Lakes Development to the UTILITY'S sewer system serving Zephyr Shores/American Condominiums. Such work shall be supervised and directed by the COUNTY and must meet all applicable State and COUNTY standards. It shall be the responsibility of the UTILITY to furnish proof from its staff, engineer, or other appropriate source to the COUNTY'S Utilities Director and/or other appropriate members of the staff of the comparability and equivalency of all such material and standards of performance as previously mentioned.

1. The UTILITY shall install, as part of its connection to the COUNTY system, an appropriate metering device(s) at the designated point of connection which is acceptable to the COUNTY for the purposes of determining the amount of wastewater treatment services being provided by the COUNTY pursuant to this Agreement. It shall be the responsibility of the UTILITY to pay all costs associated with the purchase and installation of the metering device(s). The COUNTY shall own and operate the meter(s), and the COUNTY shall have the absolute right of access for testing, reading purposes, and for any necessary repairs to maintain the integrity of the COUNTY'S wastewater collection system. The UTILITY shall also be provided reasonable access to the meter(s) for testing and reading purposes.

2. Meter Reading and Payments - The COUNTY will invoice the UTILITY on a monthly basis in accordance with meter readings taken. The UTILITY shall make payment based upon the meter readings within thirty (30) days after receipt of the invoice from the COUNTY. In the event that the payment is not made within thirty (30) days after receipt of the invoice, the UTILITY agrees to pay interest or penalties as established from time to time in the COUNTY'S utility system service regulations on the outstanding balance

until paid in full. Nothing contained herein, including the charging of interest, shall extend the due date for any payment and any failure to pay on or before the due date shall be considered a default under the terms of this Agreement. The UTILITY shall be liable for the costs of the purchase and installation of any meters or similar equipment or devices used to measure the amount of wastewater treated. In the event the UTILITY disputes the accuracy of any meter reading, it must notify the COUNTY within thirty (30) days of billing and demonstrate through appropriate calibration testing that the meter is either not properly calibrated or is not functioning properly. All meter readings not disputed within fifteen (15) days of reading and publication are final and not subject to dispute.

B. Monthly Service Rate - The UTILITY agrees to pay the COUNTY a service rate of Three and 12/100 Dollars (\$3.12) per thousand gallons of wastewater treated based upon the meter readings; provided, however, this rate, including any or all components thereof, may be adjusted upward or downward by the Board of County Commissioners from time to time in accordance with the COUNTY'S rate-setting procedures. In addition, One and 00/100 Dollar (\$1.00) per thousand gallons, which amount may be adjusted from time to time by the Board of County Commissioners, shall be added as a capital recovery surcharge for wastewater flow treated from existing development as described below. The COUNTY agrees to notify the UTILITY ninety (90) days prior to the effective date of such rate adjustments.

C. Impact Fees - In addition to the monthly service rate, the UTILITY agrees to pay impact fees to the COUNTY as follows:

1. New Development - The UTILITY agrees that any new development within its service area, as described on the attached Exhibit "A" map, incorporated herein and made a part hereof, will pay to the COUNTY, uniform commitment and impact fees in an amount equivalent to fees charged by the COUNTY for its retail utility customers as established from time to time by the Board of County Commissioners, which fees will be collected by the COUNTY in accordance with its Sewer Use Ordinance. However, in the event the COUNTY adopts a bulk wastewater treatment impact fee for new developments subsequent to the execution of this Agreement, said new development shall pay the bulk impact fees established by the Board of County Commissioners from time to time for connections made to the UTILITY'S systems after such adoption. Said fee shall be paid to the COUNTY prior to the connection of any new development to the UTILITY'S system and will be collected by the COUNTY in the same manner as the COUNTY collects impact fees for its utility system.

2. Existing Development - The UTILITY and the COUNTY agree that no impact fees will be charged for existing structures or development as of the date of this

Agreement which are presently connected to the UTILITY'S system, exclusive of the seventy-four (74) units in the Crystal Lakes Mobile Home Park, as described on the attached Exhibit "B" map, namely Crystal Lakes and fees of which will be paid by the developer to the COUNTY, and incorporated herein and made a part hereof.

D. Excess Capacity - The COUNTY agrees to treat wastewater in excess of sixty thousand (60,000) gallons per day pursuant to this Agreement provided sufficient unused and uncommitted capacity is available at the COUNTY'S wastewater treatment facilities, as determined by the COUNTY, and all appropriate permits have been obtained by the UTILITY from State regulatory agencies. The UTILITY agrees to pay the per-thousand-gallon rate for such services as set forth above.

E. Discharge Regulations - The UTILITY agrees to abide by the Pasco County Sewer Use Ordinance including the Regulations for Discharge to Pasco County Wastewater System in its entirety and as it may be changed from time to time by requirement of Federal or State authorities and/or by the COUNTY.

F. Coordination of Flows - The UTILITY will cooperate in a reasonable manner with the COUNTY to coordinate flows into the plant so that they shall not exceed the permitted per-day maximum for the plant.

G. Notwithstanding any other provisions contained herein, the COUNTY shall not be liable for any damages as the result of the inability or failure to provide sewage treatment services pursuant to this Agreement either on a temporary, emergency, or permanent basis. The COUNTY shall use its best efforts to provide the treatment capacity needed by the UTILITY to service its customers. Notwithstanding the foregoing, the COUNTY reserves the right to proportionately reduce the gallonage to this user, SOUTHERN STATES UTILITIES, INC. (SSU), made available under this Agreement and the COUNTY will equally reduce other contractual users' treatment capacity pursuant to such restrictions by governmental regulatory authorities.

H. Public Sewer Collection System - The UTILITY shall, at its expense:

1. Purchase, install, repair, or maintain its entire wastewater collection system, including all sewer lines, pump stations, and other facilities and appurtenances that may be necessary in order to tap into or make connections with the COUNTY'S wastewater system.

2. Cause to be conducted all investigations and testing that may be required in order for the UTILITY to tap into said system, including all design, construction, repair, and maintenance of said connection equipment.

3. Cause all sewer lines, pump stations, and all other facilities required for the connection to the COUNTY system to be repaired and maintained in accordance with appropriate standards and specifications.

I. Permits - The UTILITY shall have the responsibility of securing and maintaining all necessary permits from all governmental agencies having regulatory authority of the UTILITY'S public sewer collection system. The COUNTY shall have the same responsibility as to its sewer system.

J. Quantity Deficiencies - The COUNTY shall not be liable in damages to the UTILITY in the event that the quantity of sewage to be treated under this Agreement shall be curtailed or diminished at no fault of the COUNTY.

K. The COUNTY agrees that the UTILITY may engage in wastewater treatment services, by utilizing its own treatment facilities in addition to COUNTY services provided during the term of this Agreement. The UTILITY shall indemnify and hold the COUNTY harmless from all claims arising from the operation of the UTILITY'S treatment and disposal facility.

Section III. General Provisions.

A. These conditions are binding upon the successors and assignees of the parties hereto. Whenever one (1) party gives notice to the other party concerning any of the provisions of this Agreement, such notice shall be given by certified mail, return receipt required. Said notice shall be deemed given when it is deposited in the United States mail with sufficient postage prepaid (notwithstanding that the return receipt is not subsequently received). Notices shall be addressed as follows:

PASCO COUNTY: County Administrator
Pasco County Government Center
7530 Little Road
New Port Richey, FL 34654

SOUTHERN STATES UTILITIES,
INC.: President
Southern States Utilities, Inc.
1000 Color Place
Apopka, FL 32703

These addresses may be changed by giving notice as provided for in this paragraph.

B. No waiver of breach of any of the terms of this Agreement shall be construed to be a waiver of any succeeding breach.

Section IV. Default.

A. If either party materially fails or defaults in keeping, performing, or abiding by the terms and provisions of this Agreement, then the nondefaulting party shall give written notice to the defaulting party specifying the nature of the default. If the

defaulting party does not cure the default within thirty (30) days after the date of written notice, then this Agreement, at the option of the nondefaulting party, shall terminate. Neither party shall be relieved of liability to the other for damages sustained by virtue of any party wrongfully exercising this provision. This paragraph is not intended to replace any other legal or equitable remedies available to any nondefaulting party under Florida law, but it is in addition thereto. Notwithstanding the foregoing, any failure to make timely payments shall be considered a material default under the terms of this Agreement without the necessity for any written notice to the UTILITY and such nonpayment by the UTILITY shall be grounds for termination of service by the COUNTY.

Section V. Utility System Charges.

The UTILITY shall fix, revise, maintain, and collect such fees, rates, rentals, or other charges for the use of the products, services, and facilities of its utility system as shall be necessary to fund the timely payment of its respective obligations and liabilities under this Agreement. The UTILITY shall maintain its utility system operation and maintain accounts throughout the term of this Agreement for the purpose of paying its obligations and liabilities hereunder.

Section VI. Miscellaneous Provision.

A. In the event the parties' performance of this Agreement, other than the payment of money, is prevented or interrupted by consequence of an act of God, or of the public enemy, or national emergency, allocation, or other governmental restrictions upon the use or availability of labor or materials, rationing, civil insurrection, riot, racial or civil rights disorder or demonstration, strike, embargo, flood, tidal wave, fire, explosion, bomb detonation, nuclear fallout, windstorm, hurricane, sinkholes, earthquake, or other casualty or disaster or catastrophe, unforeseeable failure or breakdown of pumping, transmission, or other facilities, governmental rules or acts or orders or restrictions of regulations or requirements, acts or actions of any government, except the COUNTY, or public or governmental authority, commission, board, agency, official, or officer, or judgement or a restraining order or injunction of any court, the COUNTY shall not be liable for such nonperformance, and the time of performance shall be extended for such time period that is equivalent to the time period occasioned by the delay.

B. The parties hereto agree that from and after the date of execution hereof, each will, upon the request of the other, execute and deliver such other documents and instruments and take other actions as may be reasonably required to carry out the intent of this Agreement.

C. This Agreement shall not be considered an obligation on the part of the COUNTY to perform in any way other than as indicated herein. The COUNTY shall not be obligated under the terms of this Agreement to treat additional wastewater from the UTILITY from areas outside of its certificated area or areas which are not presently served by the UTILITY unless the COUNTY issues written notification that it does not object to such additional service. The UTILITY'S service area is more specifically identified on Exhibit "1" attached hereto and incorporated herein by reference.

D. This Agreement shall be binding upon the heirs, representatives, and assigns of the parties hereto and the provisions hereof shall constitute covenants running with the land for the benefit of the heirs, representatives, and assigns of the party. However, this Agreement shall not be assigned by the UTILITY without the express permission of the COUNTY; however, such consent shall not be unreasonably withheld by the COUNTY.

E. In the event the COUNTY ever elects to exercise its power of eminent domain for the purpose of acquiring all, or any part, of the facility known as Zephyr Shore Utility System which may be owned by SOUTHERN STATES UTILITIES, INC., the COUNTY will not be required to pay the UTILITY for any value which might be attributable to the services provided by the COUNTY under the terms of this Agreement. In other words, such services provided by the COUNTY under this Agreement shall have no residual value in the event the COUNTY seeks to condemn all, or any part, of SOUTHERN STATES UTILITIES, INC.'S system during the term of this Agreement. This shall not be construed as a waiver of any defense, including the defense of lack of authority, SOUTHERN STATES UTILITIES, INC., may have to such an action by the COUNTY or to any claim for full and just compensation, for example, as an ongoing business concern in any eminent domain action by the COUNTY against SOUTHERN STATES UTILITIES, INC.

F. Term - This Agreement shall have a term of twenty-five (25) years commencing on the date of execution of this Agreement.

G. The UTILITY agrees that immediately upon execution of the Bulk Wastewater Agreement the UTILITY will file the same with the Florida Public Service Commission, and in the event Commission approval is required, the UTILITY shall use its best faith efforts to obtain such approval. Notwithstanding any other provision of this Agreement, in the event the Commission's approval of this Agreement is required prior to its effectiveness, the same must be approved in its entirety as a condition precedent to the COUNTY'S obligations hereunder.

H. An express condition precedent to this Agreement and the COUNTY'S obligations hereunder is the transfer of seventy-four (74) existing units within the Crystal Lakes Mobile Home Park Development. This transfer, which shall include billing records for the past twenty-four (24) months and updated names and addresses, shall be completed within thirty (30) days of the execution of this Agreement and completion of the COUNTY facilities necessary to serve the seventy-four (74) units. /approval of the Florida Public Service Commission *CCS*

I. This Agreement shall replace and supersede all prior agreements and understandings between the COUNTY and the UTILITY on the subject matter, including specifically that Temporary Emergency Bulk Wastewater Agreement dated January 7, 1992.

IN WITNESS WHEREOF, the COUNTY and the UTILITY have executed this Bulk Wastewater Treatment Agreement on the date, month, and year first above written.

(SEAL)

BOARD OF COUNTY COMMISSIONERS
OF PASCO COUNTY, FLORIDA

ATTEST:

BY: Jed Pittman
JED PITTMAN, CLERK
By: [Signature]

BY: [Signature]
MIKE WELLS, CHAIRMAN
6/23/92

WITNESSES:

SOUTHERN STATES UTILITIES, INC.

Donald E. Middleton
[Signature]

BY: [Signature]
VICE PRESIDENT

APPROVED AS TO LEGAL FORM AND CONTENT
Office of the County Attorney

BY: [Signature]
ATTORNEY

3466

FILE ZEPHYR SHORES

GRAY, HARRIS & ROBINSON

PROFESSIONAL ASSOCIATION
ATTORNEYS AT LAW

J. CHARLES GRAY
GORDON H. HARRIS
RICHARD M. ROBINSON
PHILLIP R. FINCH
PAMELA O. PRICE
JAMES F. PAGE, JR.
WILLIAM A. BOYLES
THOMAS A. CLOUD
BYRD F. MARSHALL, JR.
J. MASON WILLIAMS, III
LEO P. ROCK, JR.
G. ROBERTSON DILG
CHARLES W. SELL
JACK A. KIRSCHENBAUM
JAMES W. PEEPLES, III
FORREST S. FIELDS, JR.
RICHARD E. BURKE
GUY S. HAGGARD

SUITE 1200
201 EAST PINE STREET
POST OFFICE BOX 3068
ORLANDO, FL 32802-8068

TELEPHONE (407) 843-8880
FAX (407) 244-5890

GLASS BANK BUILDING
505 NORTH ORLANDO AVENUE
POST OFFICE BOX 320757

COCOA BEACH, FL 32932-0757

TELEPHONE (407) 783-2218
FAX (407) 783-2297

WRITER'S DIRECT DIAL

407/244-5635

PLEASE REPLY TO:

Orlando

February 19, 1993

THOMAS C. SHAW
PAUL J. MOKRIS
PAUL S. QUINN, JR.
DAVID L. SCHICK
JACK K. McMULLEN
SUSAN TASSELL SPRADLEY
LORI R. BENTON
ANTHONY J. COTTER
TRACY A. BORGERT
JOHN B. SHOEMAKER
LISA J. FRANK
MICHAEL R. WILSON
LILA INGATE MCHENRY
KENT L. HIPP
CATHERINE S. RODRIGUEZ
MALCOLM R. KIRSCHENBAUM
OF COUNSEL

RECEIVED

FEB 22 1993

**ENVIRONMENTAL
SERVICES**

VIA TELECOPIER TO:
(904) 488-2439

Francine M. Ffolkes
Assistant General Counsel
Florida Department of Environmental Regulation
2600 Blair Stone Road
Tallahassee, Florida 32399

**RE: Southern States Utilities: Pasco County (OGC Case 92-1615;
DER permit application DO 51-201779)**

Dear Ms. Ffolkes:

This letter is sent on behalf of our client, Southern States Utilities, (the "Company") regarding the above-referenced matter and the telephone calls which I have placed to you on February 17 and 18, 1993. It is important that you and I speak to discuss the status of this matter so that it is not necessary for the Company to file a Petition.

These are the facts: On September 3, 1991, the Company applied for renewal of an operating permit. During the Department's review of that permit application, however, the Company and your Tampa office's staff concluded that interconnecting the Company's collection system with Pasco County's facilities would solve the Department's concerns for effluent disposal capacity. On August 17, 1992, therefore, the Company applied to the Department for a construction permit, and was informed that Pasco County would be responsible for approval of the interconnect. On August 25, 1992, however, the Department's Tampa office issued a notice of intent to deny Southern States an operating permit for its Zephyr Shores wastewater treatment facility due to a dispute regarding the effluent disposal capacity.

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Francine M. Ffolkes
February 19, 1993
Page 2

The Company timely filed for an extension of time, and began negotiations with Pasco County to construct an interconnect between the Zephyr Shore facility and Pasco County's system. On September 2, 1992, the County issued a permit to build the interconnect. As shown by the enclosed January 26, 1993, letter from Pasco County Assistant County Administrator Douglas S. Bramlett to Michael J. Gaylor, P.E., the interconnect facilities were certified as complete on December 16, 1992.

On February 3, 1993, the Department entered an order extending the Company's time to file a Petition in this matter to February 26, 1993. The Company's staff has been talking with personnel in the Department's Tampa office, and by February 26, 1993, will file an application with the Department for approval of the interconnect. The Department's Tampa staff has requested the Company to contact you regarding the processing of this application and I have attempted to do so by phone.

If I am unable to discuss this matter with you, I shall presume that you will not object to an additional request for an extension of time to allow your Tampa office staff an opportunity to process any permit which may be necessary to tie up any administrative loose ends which may remain in this matter. Please feel free to contact me if you have any questions regarding this letter.

Sincerely,



Forrest S. Fields, Jr.

enclosure

cc: Joseph Amato, P.E.

faf:40001-113:1t002der.zep:02/19/93:0

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GRAY, HARRIS & ROBINSON
PROFESSIONAL ASSOCIATION

Francine M. Ffolkes
February 19, 1993
Page 3

bcc: Karla Olson Teasley
Charles E. Wood, P.E.
Charles L. Sweat
Joe Mack, P.E.
Ralph Terrero, P.E.
Mel Fisher
Jim Page

3470

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PASCO COUNTY, FLORIDA

DADE CITY (904) 521-4274
NEW PORT RICHEY (813) 847-8145

UTILITIES SERVICES BRANCH
PASCO COUNTY GOVT. COMPLEX
7536 STATE STREET
NEW PORT RICHEY, FL 34654

January 26, 1993

RECEIVED

JAN 29 1993

**ENVIRONMENTAL
SERVICES**

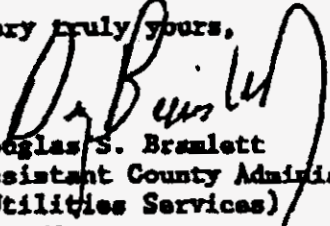
Mr. Michael J. Gaylor, P.E.
Gaylor Engineering
400 Douglas Avenue, Suite C
Dunedin, FL 34698

Permit No.: PCCS-55
Project: Zephyr Shores Excess Flow

Dear Mr. Gaylor:

This acknowledges receipt of the Certificate of Completion and record drawings for the subject project dated December 16, 1992. We have no objection to placing this system into use.

Very truly yours,


Douglas S. Brazlett
Assistant County Administrator
(Utilities Services)

DSB/SB/r012604:lar

cc: Raphael Terrero, P.E., Southern States Utilities, Inc., 1000 Color Place,
Apopka, FL 32703
Stanley Verdier, Field Supervisor
Scott Berge, Civil Engineering Technician
Betty A. Nancy, Data Entry Operator

3471

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PASCO COUNTY, FLORIDA

DADE CITY (904) 521-4274
NEW PORT RICHEY (813) 847-8145

UTILITIES SERVICES BRANCH
PASCO COUNTY GOVT. COMPLEX
7536 STATE STREET
NEW PORT RICHEY, FL 34654

P E R M I T FOR

WASTEWATER COLLECTION/TRANSMISSION SYSTEM (CS)

September 2, 1992

PERMIT NO. PCCS-55

Southern States Utilities, Inc.
1000 Color Place
Apopka, FL 32703

RE: Zephyr Shores Excess Flow
60,000 gpd
353 Mobile Homes
Southeast Subregional WWTP

Dear Sir or Madam:

1. A permit is hereby granted for the construction of a wastewater collection/transmission system that has been designed in accordance with the standards and criteria set forth in Pasco County Standards for Design and Construction, Resolution No. 89-130.
2. This permit is subject to the general conditions of Pasco County Standards for Design and Construction and the following specific conditions:
 - a. The permittee or his engineer of record shall file with the Utilities Services Branch upon completion of the work a copy of the plans and specifications for the system "as built" and a Certification of Completion signed by a registered professional engineer.
 - b. This permit does not relieve the permittee of the responsibility for obtaining a dredge and fill permit where it is required.
3. This permit does not constitute construction plan approval as required by County Ordinance.

*ENGR
ENV. SUCS.*


Utilities Services Branch

SB/r090203:ltr

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PASCO COUNTY, FLORIDA

DADE CITY (904) 521-4274
NEW PORT RICHEY (813) 847-8145

UTILITIES SERVICES BRANCH
PASCO COUNTY GOVT. COMPLEX
7536 STATE STREET
NEW PORT RICHEY, FL 34654

September 2, 1992

RECEIVED

Mr. Raphael Terrero, P.E.
Southern States Utilities, Inc.
1000 Color Place
Apopka, FL 32703

SEP 09 1992

**ENVIRONMENTAL
SERVICES**

Project: Zephyr Shores Excess Flow

Dear Mr. Terrero:

Enclosed is Permit No. PCCS-55 to construct a wastewater collection/transmission system issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rule(s) 17-3, 17-4, and 17-6. The permittee is hereby authorized to perform the work shown on the application and approved drawing(s), plans, and other documents, on file with this office and made a part hereof.

Upon completion of the system and prior to use, the permittee or his engineer of record shall submit to this office a written request on a Pasco County Utilities Domestic Wastewater Collection/Transmission Systems Certification of Completion of Construction form to obtain department approval to place the system into service, together with a copy of the record drawings for the system.

The system shall also be inspected for any sediment debris and flushed prior to connection to Pasco County's wastewater system.

Following this we may then issue a clearance letter releasing the facilities for public use. This project may not be placed into service until a letter of clearance has been issued.

This permit does not relieve the permittee of the responsibility for obtaining a dredge and fill permit where it is required.

If there are any questions, please feel free to contact our Permit Section at (813) 847-8040.

Sincerely,

A handwritten signature in black ink, appearing to read "Douglas S. Bramlett".

Douglas S. Bramlett
Assistant County Administrator
(Utilities Services)

DSB/SB/r090203:ltr

Enclosure

cc: Michael J. Gaylor, P.E., Gaylor Engineering, 400 Douglas Ave., Suite C, Dunedin, FL 34698

Harold Bungard, Utilities Operations Superintendent (Sewer)

Russel A. Bowman II, P.E., Utilities Construction and Contract Management Director

Scott Berge, Civil Engineering Technician

Betty A. Nancy, Data Entry Operator

File

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