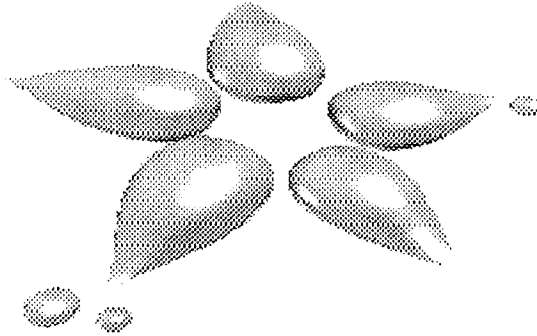


ORIGINAL



United Water

Before the

Florida Public Service Commission

Docket No. 980214-WS

Application for a General Rate Increase

H - 4 Schedule

Containing

25-30.440

Additional Engineering Information

Required of Class A & B

Water and Sewer Utilities

DOCUMENT NUMBER-DATE

05503 MAY 18 88

FPSC-RECORDS/REPORTING

DHRS # 82315

**Southeastern Environmental
Laboratories, Inc.**
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PWS031 SECONDARY CHEMICAL ANALYSIS 62-550.320 MET

Sample Number: 82263 Submission Number: 9704000271 LOFTON OAKS WTP PLANT EFFLUENT TAP

Parameter		Analysis			Analysis	Lab
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u> <u>MDL</u>	<u>Date</u>	<u>ID</u>
1002	Aluminum (0.2)	0.191	MG/L	200.7 < 0.010	04/30/97	82315
1022	Copper (1)	0.010	MG/L	SM3111B < 0.010	05/01/97	82315
1028	Iron (0.3)	0.125	MG/L	SM3111B < 0.05	05/01/97	82315
1032	Manganese (0.05)	< 0.01	MG/L	SM3111B < 0.01	05/01/97	82315
1050	Silver (0.1)	< 0.020	MG/L	SM3111B < 0.020	05/02/97	82315
1095	Zinc (5)	< 0.05	MG/L	SM3111B < 0.05	05/01/97	82315

**Southeastern Environmental
Laboratories, Inc.**
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS # 82315

DHRS E-82179

PWS031 SECONDARY CHEMICAL ANALYSIS 62-550.320 MIN

Sample Number: 82264 Submission Number: 9704000271 LOFTON OAKS WTP PLANT EFFLUENT TAP

Parameter		Analysis			Analysis	Lab
ID	Name/(MCL)	Result	Unit	Method MDL	Date	ID
1017	Chloride (250)	39.6	MG/L	SM4500C < 0.5	05/05/97	82315
1905	Color (15 color units)	< 5	CU	SM2120B < 5	04/29/97	82315
1025	Fluoride (2.0)	0.640	MG/L	SM4500F < 0.1	04/29/97	82315
2905	Foaming Agents (0.5)	< 0.05	MG/L	SM5540C < 0.05	04/29/97	82315
1925	pH (6.5-8.5)	6.98	S.U.	150.1 < 1.0	04/29/97	82315
1055	Sulfate (250)	130	MG/L	375.4 < 1.0	04/29/97	82315
1930	TDS (500)	436	MG/L	SM2540C < 5	04/29/97	82315

DHRS # 82315

Southeastern Environmental
Laboratories, Inc.
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PWS031 SECONDARY CHEMICAL ANALYSIS 62-550.320 ODOR

Sample Number: 82265 Submission Number: 9704000271 LOFTON OAKS WTP PLANT EFFLUENT TAP

Parameter		Analysis			Analysis	Lab	
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>	<u>MDL</u>	<u>Date</u>	<u>ID</u>
1920	Odor (3 threshold odor number)	< 1	OTN	SM2150B	< 1	04/28/97	82315

**Southeastern Environmental
Laboratories, Inc.**
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS # 82315

DHRS E-82179

PWS029 PEST & PCB CHEM ANALYSIS 62-550.310(2)(c)

Sample Number: 82266 Submission Number: 9704000271 LOFTON OAKS WTP PLANT EFFLUENT TAP

Parameter		Analysis				Analysis		Lab
ID	Name/(MCL)	Result	Unit	Method	MDL	Date	ID	
2931	Dibromochloropropane (.2)	< 0.005	UG/L	504	< 0.005	05/01/97	84269	
2946	Ethylene dibromide (.02)	< 0.005	UG/L	504	< 0.005	05/01/97	84269	
2042	Hexachlorocyclopentadiene (50)	< 0.1	UG/L	505	< 0.1	05/07/97	84269	
2035	Di(2-ethylhexyl)adipate (400)	< 1.0	UG/L	525	< 1.0	05/02/97	84269	
2039	Di(2-ethylhexyl)phthalate (6)	< 1.0	UG/L	525	< 1.0	05/02/97	84269	
2037	Simazine (4)	< 0.1	UG/L	507	< 0.1	05/02/97	84269	
2050	Atrazine (3)	< 0.1	UG/L	507	< 0.1	05/02/97	84269	
2051	Alachlor (2)	< 0.3	UG/L	507	< 0.3	05/02/97	84269	
2005	Endrin (2)	< 0.01	UG/L	508	< 0.01	05/02/97	84269	
2010	Lindane (.2)	< 0.01	UG/L	508	< 0.01	05/02/97	84269	
2015	Methoxychlor (40)	< 0.02	UG/L	508	< 0.02	05/02/97	84269	
2020	Toxaphene (3)	< 0.2	UG/L	508	< 0.2	05/02/97	84269	
2065	Heptachlor (.4)	< 0.1	UG/L	508	< 0.01	05/02/97	84269	
67	Heptachlor Epoxide (.2)	< 0.01	UG/L	508	< 0.01	05/02/97	84269	
2274	Hexachlorobenzene (1)	< 0.01	UG/L	508	< 0.01	05/02/97	84269	
2383	PCB's (.5)	< 0.05	UG/L	508	< 0.05	05/02/97	84269	
2959	Chlordane (2)	< 0.05	UG/L	508	< 0.05	05/02/97	84269	
2031	Dalapon (200)	< 1	UG/L	515.1	< 1	04/30/97	84269	
2040	Picloram (500)	< 0.2	UG/L	515.1	< 0.2	04/30/97	84269	
2041	Dinoseb (7)	< 0.2	UG/L	515.1	< 0.2	04/30/97	84269	
2105	2,4-D (70)	< 0.5	UG/L	515.1	< 0.5	04/30/97	84269	
2110	2,4,5-TP (Silvex) (50)	< 0.05	UG/L	515.1	< 0.05	04/30/97	84269	
2326	Pentachlorophenol (1)	< 0.05	UG/L	515.1	< 0.05	04/30/97	84269	
2036	Oxamyl (Vydate) (200)	< 0.5	UG/L	531.1	< 0.5	05/02/97	84269	
2046	Carbofuran (40)	< 0.5	UG/L	531.1	< 0.5	05/02/97	84269	
2034	Glyphosate (700)	< 10	UG/L	547	< 10	05/06/97	84269	
2033	Endothall (100)	< 10.0	UG/L	548	< 10.0	05/01/97	84269	
2032	Diquat (20)	< 1.0	UG/L	549.1	< 1.0	05/05/97	84269	
2306	Benzo(a)pyrene (.2)	< 0.01	UG/L	550	< 0.01	05/02/97	84269	

PEST & PCB CHEM. ANAL. (508) HEPTACHLOR D.L. CHANGED DUE TO MATRIX INTERFERENCE



Lawton Chiles
Governor

James T. Howell, M.D., M.P.H.
Secretary

PUBLIC DRINKING WATER ANALYSIS REPORT

PUBLIC WATER SYSTEM INFORMATION

Public Water System ID Number: 2454338
Public Water System Name: Lofton Oaks WTP
Public Water System Type:
 Community Non-Community Non-Transient Non-Community

LABORATORY CERTIFICATION INFORMATION

Laboratory Certification Number: 13186
Parameter Group Analyzed: Radiological

SAMPLE INFORMATION

Laboratory Sample Number: 4312
Sample Date (MMDDYY): 7/28/97 Sample Time: 9:35
Sample Location: Lofton Oaks WTP Plant Effluent Tap
Sample Type: Check Regular Distribution Composite
 Clearance Maximum Residence Time Plant Tap
 Raw Well Resample
 Special

Sampler Name: David Temple
Title: Lab Tech / Sampler
Phone: 904/721-4601

I do HEREBY CERTIFY that all data submitted are correct.

Signature:
Name: Joseph Escalante
Title: Chemist III
Lab: Safe Drinking Water Laboratory
Phone: 407/297-2095, SC 326-2095
Date: 9/2/97

Results to:
Scott Turner
United Water Florida
P. O. Box 8004
Jacksonville, FL 32239
904/721-4643

Copy to:
Lynal DeFalco
Dept. of Environmental Protection
7825 Baymeadows Way, Suite B-200
Jacksonville, FL 32256-7577



Lawton chiles
Governor

James T. Howell, M.D., M.P.H.
Secretary

RADIOLOGICAL ANALYSIS

Public Water System ID Number: 2454338

Laboratory Sample Number: 4312

<u>Contam. ID</u>	<u>PARAMETER</u>	<u>Analysis Results (pCi/L)</u>	<u>Analysis Error</u>	<u>Detection Limit</u>	<u>Analytical Method</u>	<u>Analysis Date</u>
4000	Gross Alpha	0.6	0.6	0.4	900.0	8/4/97
4020	Radium-226				903.1	
4030	Radium-228				*Alt	
4400	Natural Uranium				908.0	
4100	Gross Beta				900.0	
4102	Tritium				906.0	
4172	Strontium-89				905.0	
4174	Strontium-90				905.0	
4264	Iodine-131				**Alt	
4270	Cesium-134				901.1	
4276	Cesium-137				901.1	
4142	Cobalt-60				901.1	

NOTE: Methods are from "Prescribed Procedures for Measurement of Radioactivity in Drinking Water," US EPA, EPA-600/4-80-032, unless noted.

*Alternate Approved Procedure: Brooks - Blanchard Method

**Alternate Approved Procedure: Radiochemical Determination of I-131 in Milk and Water

Southeastern Environmental
Laboratories, Inc.
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS # 82315

DHRS E-82179

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

System Name and Address: LOFTON OAKS WTP 300 E STEWART AVE I.D.#: 2454338

Type: COMMUNITY

SAMPLE INFORMATION

Sample Date: 04/29/96 Sample Time: 10:20
Sample Location: LOFTON OAKS WTP EFFLUENT TAP
Sampler Name and Phone:
D TEMPLE

Sampler's Signature: *Daw Temple*
Check Type(s): DISTRIB ENTRY PT
Comments:

LABORATORY CERTIFICATION INFORMATION

Lab Name: Southeastern Environmental Laboratories, Inc. HRS #: 82315 Expiration Date: 6/30/96
Address: 80 Industrial Loop North Building 5 Phone #: (904)269-6176
Orange Park, FL 32073
Subcontracted Lab HRS #:

ANALYSIS INFORMATION SUBMISSION NUMBER: 9604000343
Date Sample Received: 04/29/96 Group(s) Analyzed & Results attached for compliance with 62-550, F.A.C.:

NO3, NO2, VOC

I, Pamela L. Rivers, do HEREBY CERTIFY that all attached analytical data are correct.

Signature: *Pamela L. Rivers*

Title: Laboratory Manager Date: 05/06/96

COMPLIANCE INFORMATION (to be completed by State)

Sample Collection Satisfactory: _____ Sample Analysis Satisfactory: _____

Resample Requested for: _____ Reason: _____

Person notified to resample: _____ Date Notified: _____

DEP/HRS Reviewing Official: _____

DHRS # 82315

**Southeastern Environmental
Laboratories, Inc.**
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

Sample Number: 59618 Submission Number: 9604000343

Parameter		Analysis			Analysis	Lab	
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>	<u>MDL</u>	<u>Date</u>	<u>ID</u>
1040	Nitrate (10)	< 0.05	MG/L	353.2	< 0.05	04/30/96	82315

DHRS # 82315

**Southeastern Environmental
Laboratories, Inc.**
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

Sample Number: 59619 Submission Number: 9604000343

Parameter		Analysis				Analysis	Lab
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>	<u>MDL</u>	<u>Date</u>	<u>ID</u>
1041	Nitrite (1)	< 0.05	MG/L	353.2	< 0.05	04/30/96	82315

DHRS # 82315

Southeastern Environmental
Laboratories, Inc.
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PWS028 VOLATILE ORGANIC ANALYSIS 62-550.310(2)(b)

Sample Number: 59620 Submission Number: 9604000343

Parameter	Analysis	Analysis	Lab				
ID	Name/(MCL)	Result	Unit	Method	MDL	Date	ID
2969	Para-dichlorobenzene	< 0.0005	MG/L	524.2	< 0.0005	05/02/96	82315
2378	1,2,4-Trichlorobenzene	< 0.0005	MG/L	524.2	< 0.0005	05/02/96	82315
2380	Cis-1,2-dichloroethylene	< 0.0005	MG/L	524.2	< 0.0005	05/02/96	82315
2955	Xylenes (o)	< 0.0005	MG/L	524.2	< 0.0005	05/02/96	82315
--	Xylenes (m,p)	< 0.0005	MG/L	524.2	< 0.0005	05/02/96	82315
2964	Dichloromethane	< 0.0005	MG/L	524.2	< 0.0005	05/02/96	82315
2968	O-dichlorobenzene	< 0.0005	MG/L	524.2	< 0.0005	05/02/96	82315
2976	Vinyl Chloride	< 0.0005	MG/L	524.2	< 0.0005	05/02/96	82315
2977	1,1-Dichloroethylene	< 0.0005	MG/L	524.2	< 0.0005	05/02/96	82315
2979	Trans-1,2-dichloroethylene	< 0.0005	MG/L	524.2	< 0.0005	05/02/96	82315
2980	1,2-dichloroethane	< 0.0005	MG/L	524.2	< 0.0005	05/02/96	82315
2981	1,1,1-trichloroethane	< 0.0005	MG/L	524.2	< 0.0005	05/02/96	82315
2982	Carbon Tetrachloride	< 0.0005	MG/L	524.2	< 0.0005	05/02/96	82315
83	1,2-dichloropropane	< 0.0005	MG/L	524.2	< 0.0005	05/02/96	82315
2984	Trichloroethylene	< 0.0005	MG/L	524.2	< 0.0005	05/02/96	82315
2985	1,1,2-trichloroethane	< 0.0005	MG/L	524.2	< 0.0005	05/02/96	82315
2987	Tetrachloroethylene	< 0.0005	MG/L	524.2	< 0.0005	05/02/96	82315
2989	Monochlorobenzene	< 0.0005	MG/L	524.2	< 0.0005	05/02/96	82315
2990	Benzene	< 0.0005	MG/L	524.2	< 0.0005	05/02/96	82315
2991	Toluene	< 0.0005	MG/L	524.2	< 0.0005	05/02/96	82315
2992	Ethylbenzene	< 0.0005	MG/L	524.2	< 0.0005	05/02/96	82315
2996	Styrene	< 0.0005	MG/L	524.2	< 0.0005	05/02/96	82315



Lawton chiles
Governor

James T. Howell, M.D., M.P.H.
Secretary

PUBLIC DRINKING WATER ANALYSIS REPORT

PUBLIC WATER SYSTEM INFORMATION

Public Water System ID Number: 2160708
Public Water System Name: Magnolia Gardens WTP
Public Water System Type:
 Community Non-Community Non-Transient Non-Communit

LABORATORY CERTIFICATION INFORMATION

Laboratory Certification Number: 13186
Parameter Group Analyzed: Radiological

SAMPLE INFORMATION

Laboratory Sample Number: 4308
Sample Date (MMDDYY): 7/28/97 Sample Time: 10:10
Sample Location: Magnolia Gardens WTP Plant Effluent Tap
Sample Type: Check Regular Distribution Composite
 Clearance Maximum Residence Time Plant Tap
 Raw Well Resample
 Special

Sampler Name: David Temple
 Title: Lab Tech / Sampler
 Phone: 904/721-4601

I do HEREBY CERTIFY that all data submitted are correct.

Signature:
Name: Joseph Escalante
Title: Chemist III
Lab: Safe Drinking Water Laboratory
Phone: 407/297-2095, SC 326-2095
Date: 9/2/97

Results to:
Scott Turner
United Water Florida
P. O. Box 8004
Jacksonville, FL 32239
904/721-4643

Copy to:
Lynal DeFalco
Dept. of Environmental Protection
7825 Baymeadows Way, Suite B-200
Jacksonville, FL 32256-7577



Lawton Chiles
Governor

James T. Howell, M.D., M.P.H.
Secretary

RADIOLOGICAL ANALYSIS

Public Water System ID Number: 2160708

Laboratory Sample Number: 4308

<u>Contam. ID</u>	<u>PARAMETER</u>	<u>Analysis Results (pCi/L)</u>	<u>Analysis Error</u>	<u>Detection Limit</u>	<u>Analytical Method</u>	<u>Analysis Date</u>
4000	Gross Alpha	1.4	0.6	0.4	900.0	8/4/97
4020	Radium-226				903.1	
4030	Radium-228				*Alt	
4400	Natural Uranium				908.0	
4100	Gross Beta				900.0	
4102	Tritium				906.0	
4172	Strontium-89				905.0	
4174	Strontium-90				905.0	
4264	Iodine-131				**Alt	
4270	Cesium-134				901.1	
4276	Cesium-137				901.1	
4142	Cobalt-60				901.1	

NOTE: Methods are from "Prescribed Procedures for Measurement of Radioactivity in Drinking Water," US EPA, EPA-600/4-80-032, unless noted.

*Alternate Approved Procedure: Brooks - Blanchard Method

**Alternate Approved Procedure: Radiochemical Determination of I-131 in Milk and Water

Southeastern Environmental
Laboratories, Inc.
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS # 82315

DHRS E-82179

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

System Name and Address: I.D.#: 2160708
MAGNOLIA GARDENS WTP, 2538 LANTANA AVE W

Type: COMMUNITY

SAMPLE INFORMATION

Sample Date: 04/28/97 Sample Time: 10:05
Sample Location: MAGNOLIA GARDENS WTP PLANT EFFLUENT TAP
Sampler Name and Phone:
DAVID TEMPLE, LAB TECH/SAMPLER 904-721-4601

Sampler's Signature: David Temple
Check Type(s): DISTRIB ENTRY PT
Comments:

LABORATORY CERTIFICATION INFORMATION

Lab Name: Southeastern Environmental HRS #: 82315 Expiration Date: 6/30/97
Laboratories, Inc.
Address: 80 Industrial Loop North Phone #: (904)269-6176
Building 5
Orange Park, FL 32073
Subcontracted Lab HRS #: 84269

ANALYSIS INFORMATION SUBMISSION NUMBER: 9704000273
Date Sample Received: 04/28/97 Group(s) Analyzed & Results attached for
compliance with 62-550, F.A.C.:

INORGANICS, GRP II, SECONDARIES, PEST/PCB, VOC

I do HEREBY CERTIFY that all attached analytical data are correct.

Signature Chet JBL

Date: 05/19/97

COMPLIANCE INFORMATION (to be completed by State)

Sample Collection Satisfactory: _____ Sample Analysis Satisfactory: _____

Resample Requested for: _____ Reason: _____

Person notified to resample: _____ Date Notified: _____

DEP/HRS Reviewing Official: _____

DHRS # 82315

Southeastern Environmental
Laboratories, Inc.
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PWS030 INORGANIC ANALYSIS 62-550.310(1) METALS

Sample Number: 82277 Submission Number: 9704000273 MAGNOLIA GARDENS WTP PLANT EFFLUENT T

Parameter		Analysis			Analysis	Lab
ID	Name/(MCL)	Result	Unit	Method MDL	Date	ID
1074	Antimony (0.006)	< 0.003	MG/L	SM3113B < 0.003	04/30/97	82315
1005	Arsenic (0.05)	< 0.005	MG/L	SM3113B < 0.005	04/29/97	82315
1010	Barium (2)	0.017	MG/L	200.7 < 0.010	04/30/97	82315
1075	Beryllium (0.004)	< 0.002	MG/L	200.7 < 0.002	04/30/97	82315
1015	Cadmium (0.005)	< 0.003	MG/L	200.7 < 0.003	04/30/97	82315
1020	Chromium (0.1)	< 0.010	MG/L	200.7 < 0.010	04/30/97	82315
1030	Lead (0.015)	< 0.001	MG/L	SM3113B < 0.001	04/28/97	82315
1035	Mercury (0.002)	< 0.0005	MG/L	245.1 < 0.005	05/01/97	82315
1036	Nickel (0.1)	< 0.05	MG/L	SM3111B < 0.05	05/01/97	82315
1045	Selenium (0.05)	< 0.002	MG/L	SM3113B < 0.002	04/29/97	82315
1052	Sodium (160)	11.5	MG/L	SM3111B < 0.500	05/01/97	82315
1085	Thallium (0.002)	< 0.001	MG/L	200.9 < 0.001	04/30/97	82315

DHRS # 82315

Southeastern Environmental
Laboratories, Inc.
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PWS030 INORGANIC ANALYSIS 62-550.310(1) MINERALS

Sample Number: 82278 Submission Number: 9704000273 MAGNOLIA GARDENS WTP PLANT EFFLUENT T

Parameter		Analysis			Analysis	Lab
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u> <u>MDL</u>	<u>Date</u>	<u>ID</u>
1025	Fluoride (4)	0.728	MG/L	SM4500F < 0.1	04/29/97	82315
1041	Nitrite (1)	< 0.02	MG/L	353.2 < 0.02	04/29/97	82315

DHRS # 82315

Southeastern Environmental
Laboratories, Inc.
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PWS030 INORGANIC ANALYSIS 62-550.310(1) NUTRIENTS

Sample Number: 82279 Submission Number: 9704000273 MAGNOLIA GARDENS WTP PLANT EFFLUENT T

Parameter		Analysis			Analysis	Lab	
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>	<u>MDL</u>	<u>Date</u>	<u>ID</u>
1040	Nitrate (10)	< 0.05	MG/L	353.2	< 0.05	04/29/97	82315

DHRS # 82315

Southeastern Environmental
Laboratories, Inc.
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PWS030 INORGANIC ANALYSIS 62-550.310(1) CYANIDE

Sample Number: 82280 Submission Number: 9704000273 MAGNOLIA GARDENS WTP PLANT EFFLUENT T

Parameter		Analysis			Analysis	Lab
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u> <u>MDL</u>	<u>Date</u>	<u>ID</u>
1024	Cyanide (0.2)	< 0.02	MG/L	SM4500C < 0.02	05/05/97	82315

DHRS # 82315

**Southeastern Environmental
Laboratories, Inc.**
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PWS028 VOLATILE ORGANIC ANALYSIS 62-550.310(2)(b)

Sample Number: 82281 Submission Number: 9704000273 MAGNOLIA GARDENS WTP PLANT EFFLUENT T

Parameter		Analysis				Analysis	Lab
ID	Name/(MCL)	Result	Unit	Method	MDL	Date	ID
2969	Para-dichlorobenzene	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2378	1,2,4-Trichlorobenzene	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2380	Cis-1,2-dichloroethylene	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2955	Xylenes (o)	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
--	Xylenes (m,p)	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2964	Dichloromethane	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2968	O-dichlorobenzene	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2976	Vinyl Chloride	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2977	1,1-Dichloroethylene	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2979	Trans-1,2-dichloroethylene	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2980	1,2-dichloroethane	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2981	1,1,1-trichloroethane	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2982	Carbon Tetrachloride	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2983	1,2-dichloropropane	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2984	Trichloroethylene	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2985	1,1,2-trichloroethane	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2987	Tetrachloroethylene	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2989	Monochlorobenzene	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2990	Benzene	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2991	Toluene	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2992	Ethylbenzene	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2996	Styrene	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315

**Southeastern Environmental
Laboratories, Inc.**
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS # 82315

DHRS E-82179

PWS034 UNREGULATED GROUP II ANALYSIS 62-550.410

Sample Number: 82282 Submission Number: 9704000273 MAGNOLIA GARDENS WTP PLANT EFFLUENT T

Parameter		Analysis			Analysis	Lab	
ID	Name/(MCL)	Result	Unit	Method	MDL	Date	ID
2210	Chloromethane	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2212	Dichlorodifluoromethane	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2214	Bromomethane	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2216	Chloroethane	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2218	Trichlorofluoromethane	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2251	Methyl-tert-butyl-ether	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2408	Dibromomethane	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2410	1,1-dichloropropene	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2412	1,3-dichloropropane	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2413	1,3-dichloropropene	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2414	1,2,3-trichloropropane	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2416	2,2-dichloropropane	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2941	Chloroform	0.0038	MG/L	524.2	< 0.0005	05/01/97	82315
42	Bromoform	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2943	Bromodichloromethane	0.0014	MG/L	524.2	< 0.0005	05/01/97	82315
2944	Dibromochloromethane	0.0007	MG/L	524.2	< 0.0005	05/01/97	82315
2965	o-chlorotoluene	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2966	p-chlorotoluene	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2967	m-dichlorobenzene	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2978	1,1-dichloroethane	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2986	1,1,1,2-tetrachloroethane	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2988	1,1,2,2-tetrachloroethane	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2993	Bromobenzene	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315

DHRS # 82315

Southeastern Environmental
Laboratories, Inc.
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PWS031 SECONDARY CHEMICAL ANALYSIS 62-550.320 MET

Sample Number: 82283 Submission Number: 9704000273 MAGNOLIA GARDENS WTP PLANT EFFLUENT T

Parameter		Analysis			Analysis	Lab
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u> <u>MDL</u>	<u>Date</u>	<u>ID</u>
1002	Aluminum (0.2)	0.083	MG/L	200.7 < 0.010	04/30/97	82315
1022	Copper (1)	< 0.010	MG/L	SM3111B < 0.010	05/01/97	82315
1028	Iron (0.3)	< 0.05	MG/L	SM3111B < 0.05	05/01/97	82315
1032	Manganese (0.05)	< 0.01	MG/L	SM3111B < 0.01	05/01/97	82315
1050	Silver (0.1)	< 0.020	MG/L	SM3111B < 0.020	05/02/97	82315
1095	Zinc (5)	< 0.05	MG/L	SM3111B < 0.05	05/01/97	82315

DHRS # 82315

Southeastern Environmental
Laboratories, Inc.
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PWS031 SECONDARY CHEMICAL ANALYSIS 62-550.320 MIN

Sample Number: 82284 Submission Number: 9704000273 MAGNOLIA GARDENS WTP PLANT EFFLUENT T

Parameter		Analysis			Analysis	Lab
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u> <u>MDL</u>	<u>Date</u>	<u>ID</u>
1017	Chloride (250)	28.8	MG/L	SM4500C < 0.5	05/05/97	82315
1905	Color (15 color units)	< 5	CU	SM2120B < 5	04/29/97	82315
1025	Fluoride (2.0)	0.728	MG/L	SM4500F < 0.1	04/29/97	82315
2905	Foaming Agents (0.5)	< 0.05	MG/L	SM5540C < 0.05	04/29/97	82315
1925	pH (6.5-8.5)	6.94	S.U.	150.1 < 1.0	04/29/97	82315
1055	Sulfate (250)	182	MG/L	375.4 < 1.0	04/29/97	82315
1930	TDS (500)	438	MG/L	SM2540C < 5	04/29/97	82315

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80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS # 82315

DHRS E-82179

PWS031 SECONDARY CHEMICAL ANALYSIS 62-550.320 ODOR

Sample Number: 82285 Submission Number: 9704000273 MAGNOLIA GARDENS WTP PLANT EFFLUENT T

Parameter		Analysis			Analysis	Lab
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u> <u>MDL</u>	<u>Date</u>	<u>ID</u>
1920	Odor (3 threshold odor number)	< 1	OTN	SM2150B < 1	04/28/97	82315

**Southeastern Environmental
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80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS # 82315

DHRS E-82179

PWS029 PEST & PCB CHEM ANALYSIS 62-550.310(2)(c)

Sample Number: 82286 Submission Number: 9704000273 MAGNOLIA GARDENS WTP PLANT EFFLUENT T

Parameter		Analysis				Analysis	Lab
ID	Name/(MCL)	Result	Unit	Method	MDL	Date	ID
2931	Dibromochloropropane (.2)	< 0.005	UG/L	504	< 0.005	05/01/97	84269
2946	Ethylene dibromide (.02)	< 0.005	UG/L	504	< 0.005	05/01/97	84269
2042	Hexachlorocyclopentadiene (50)	< 0.1	UG/L	505	< 0.1	05/07/97	84269
2035	Di(2-ethylhexyl)adipate (400)	< 1.0	UG/L	525	< 1.0	05/02/97	84269
2039	Di(2-ethylhexyl)phthalate (6)	< 1.0	UG/L	525	< 1.0	05/02/97	84269
2037	Simazine (4)	< 0.1	UG/L	507	< 0.1	05/02/97	84269
2050	Atrazine (3)	< 0.1	UG/L	507	< 0.1	05/02/97	84269
2051	Alachlor (2)	< 0.3	UG/L	507	< 0.3	05/02/97	84269
2005	Endrin (2)	< 0.01	UG/L	508	< 0.01	05/02/97	84269
2010	Lindane (.2)	< 0.01	UG/L	508	< 0.01	05/02/97	84269
2015	Methoxychlor (40)	< 0.02	UG/L	508	< 0.02	05/02/97	84269
2020	Toxaphene (3)	< 0.2	UG/L	508	< 0.2	05/02/97	84269
2065	Heptachlor (.4)	< 0.01	UG/L	508	< 0.01	05/02/97	84269
67	Heptachlor Epoxide (.2)	< 0.01	UG/L	508	< 0.01	05/02/97	84269
2274	Hexachlorobenzene (1)	< 0.01	UG/L	508	< 0.01	05/02/97	84269
2383	PCB's (.5)	< 0.05	UG/L	508	< 0.05	05/02/97	84269
2959	Chlordane (2)	< 0.05	UG/L	508	< 0.05	05/02/97	84269
2031	Dalapon (200)	< 1	UG/L	515.1	< 1	04/30/97	84269
2040	Picloram (500)	< 0.2	UG/L	515.1	< 0.2	04/30/97	84269
2041	Dinoseb (7)	< 0.2	UG/L	515.1	< 0.2	04/30/97	84269
2105	2,4-D (70)	< 0.5	UG/L	515.1	< 0.5	04/30/97	84269
2110	2,4,5-TP (Silvex) (50)	< 0.05	UG/L	515.1	< 0.05	04/30/97	84269
2326	Pentachlorophenol (1)	< 0.05	UG/L	515.1	< 0.05	04/30/97	84269
2036	Oxamyl (Vydate) (200)	< 0.5	UG/L	531.1	< 0.5	05/02/97	84269
2046	Carbofuran (40)	< 0.5	UG/L	531.1	< 0.5	05/02/97	84269
2034	Glyphosate (700)	< 10	UG/L	547	< 10	05/06/97	84269
2033	Endothall (100)	< 10.0	UG/L	548	< 10.0	05/01/97	84269
2032	Diquat (20)	< 1.0	UG/L	549.1	< 1.0	05/05/97	84269
2306	Benzo(a)pyrene (.2)	< 0.01	UG/L	550	< 0.01	05/02/97	84269

**Southeastern Environmental
Laboratories, Inc.**

80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS # 82315

DHRS E-82179

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

System Name and Address:

I.D.#: 2160708

MAGNOLIA GARDENS WTP 2538 LANTANA AVE WEST

Type: COMMUNITY

SAMPLE INFORMATION

Sample Date: 07/11/96 Sample Time: 09:00

Sample Location: MAGNOLIA GARDENS WTP PLANT EFFLUENT TAP

Sampler Name and Phone:

DAVID TEMPLE

Sampler's Signature: David Temple

Check Type(s): DISTRIB ENTRY PT

Comments:

LABORATORY CERTIFICATION INFORMATION

Lab Name: Southeastern Environmental Laboratories, Inc. HRS #: 82315 Expiration Date: 6/30/96

Address: 80 Industrial Loop North Building 5
Orange Park, FL 32073 Phone #: (904)269-6176

Subcontracted Lab HRS #:

ANALYSIS INFORMATION SUBMISSION NUMBER: 9607000091

Date Sample Received: 07/11/96 Group(s) Analyzed & Results attached for compliance with 62-550, F.A.C.:

NO3, NO2

I, Pamela L. Rivers, do HEREBY CERTIFY that all attached analytical data are correct.

Signature: Pamela L. Rivers

Title: Laboratory Manager

Date: 07/16/96

COMPLIANCE INFORMATION (to be completed by State)

Sample Collection Satisfactory: _____ Sample Analysis Satisfactory: _____

Resample Requested for: _____ Reason: _____

Person notified to resample: _____ Date Notified: _____

DEP/HRS Reviewing Official: _____

DHRS # 82315

**Southeastern Environmental
Laboratories, Inc.**
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

Sample Number: 63465 Submission Number: 9607000091

Parameter		Analysis			Analysis	Lab	
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>	<u>MDL</u>	<u>Date</u>	<u>ID</u>
1040	Nitrate (10)	< 0.05	MG/L	353.2	< 0.05	07/12/96	82315

**Southeastern Environmental
Laboratories, Inc.**
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS # 82315

DHRS E-82179

Sample Number: 63466 Submission Number: 9607000091

Parameter		Analysis				Analysis	Lab
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>	<u>MDL</u>	<u>Date</u>	<u>ID</u>
1041	Nitrite (1)	< 0.05	MG/L	353.2	< 0.05	07/12/96	82315



STATE OF FLORIDA
DEPARTMENT OF HEALTH AND
REHABILITATIVE SERVICES
District Four

LAWTON CHILES, GOVERNOR

HRS Duval County Public Health Unit

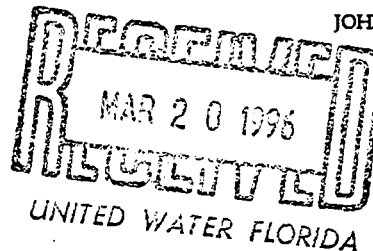
Environmental Health/Engineering Division
900 Building - Suite 300
900 University Boulevard North
Jacksonville, Florida 32211

March 13, 1996



JOHN A. DELANEY, MAYOR

United Water
Attn: Scott Turner
P. O. Box 8004
Jacksonville, FL 32239



DUVAL COUNTY
RE: 1996 Chemical Compliance
Magnolia Gardens WTP
PWS ID #: 2160708

Dear Mr. Turner:

In order for your water system to remain in compliance, we wish to inform you of the chemical analyses which are due for the 1996 compliance period.

The following analyses are required for your water system:

1. Nitrate
2. Nitrite

The samples should be taken from the entry point to the distribution (plant effluent). These samples must be treated water.

These samples must be analyzed by a HRS certified laboratory. The results shall be submitted to this office upon completion. Do not rely on the laboratory to submit the results for you. Please keep a copy of these results for your own records.

These analyses need to be submitted to this office no later than November 1, 1996, in order to allow us time to review the results and give you credit in a timely manner.

If you have any questions, please contact the drinking water section at 630-3272.

Sincerely,

Deborah A. Jones
Environmental Specialist II

cc:

DHRS # 82315

Southeastern Environmental
Laboratories, Inc.
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

System Name and Address: MARSHVIEW WTP, 14738 MARSEVIEW DR
I.D.#: 2160547

Type: COMMUNITY

SAMPLE INFORMATION

Sample Date: 04/21/97 Sample Time: 11:00
Sample Location: MARSHVIEW WTP PLANT EFF TAP
Sampler Name and Phone:
DAVID TEMPLE, LAB TECH/SAMPLER 904-721-4601

Sampler's Signature: David Temple

Check Type(s): DISTRIB ENTRY PT

Comments:

LABORATORY CERTIFICATION INFORMATION

Lab Name: Southeastern Environmental Laboratories, Inc. HRS #: 82315 Expiration Date: 6/30/97
Address: 80 Industrial Loop North Building 5 Phone #: (904)269-6176
Orange Park, FL 32073
Subcontracted Lab HRS #:

ANALYSIS INFORMATION SUBMISSION NUMBER: 9704000193

Date Sample Received: 04/21/97 Group(s) Analyzed & Results attached for compliance with 62-550,F.A.C.:

NO3,NO2

I do HEREBY CERTIFY that all attached analytical data are correct.

Signature Christian I Bush

Date: 04/24/97

COMPLIANCE INFORMATION (to be completed by State)

Sample Collection Satisfactory: _____ Sample Analysis Satisfactory: _____

Resample Requested for: _____ Reason: _____

Person notified to resample: _____ Date Notified: _____

DEP/HRS Reviewing Official: _____

DHRS # 82315

**Southeastern Environmental
Laboratories, Inc.**
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

Sample Number: 81881 Submission Number: 9704000193 MARSHVIEW WTP PLANT EFF TAP

Parameter		Analysis				Analysis	Lab
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>	<u>MDL</u>	<u>Date</u>	<u>ID</u>
1040	Nitrate (10)	< 0.05	MG/L	353.2	< 0.05	04/23/97	82315

DHRS # 82315

**Southeastern Environmental
Laboratories, Inc.**
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

Sample Number: 81882 Submission Number: 9704000193 MARSHVIEW WTP PLANT EFF TAP

Parameter		Analysis				Analysis	Lab
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>	<u>MDL</u>	<u>Date</u>	<u>ID</u>
1041	Nitrite (1)	< 0.02	MG/L	353.2	< 0.02	04/23/97	82315

DHRS # 82315

**Southeastern Environmental
Laboratories, Inc.**
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

System Name and Address:
MARSHVIEW WTP

I.D.#: 2160547

Type: COMMUNITY

SAMPLE INFORMATION

Sample Date: 03/25/96 Sample Time: 09:05
Sample Location: MARSHVIEW WTP PLANT EFFLUENT TAP
Sampler Name and Phone:
ROBERT RIGGS

Sampler's Signature: Robert Riggs
Check Type(s): DISTRIB ENTRY PT
Comments:

LABORATORY CERTIFICATION INFORMATION

Lab Name: Southeastern Environmental Laboratories, Inc. HRS #: 82315 Expiration Date: 6/30/96
Address: 80 Industrial Loop North Building 5 Phone #: (904)269-6176
Orange Park, FL 32073
Subcontracted Lab HRS #:

ANALYSIS INFORMATION SUBMISSION NUMBER: 9603000237

Date Sample Received: 03/25/96 Group(s) Analyzed & Results attached for compliance with 62-550, F.A.C.:

PRIMARIES, SECONDARIES

I, Pamela L. Rivers, do HEREBY CERTIFY that all attached analytical data are correct.

Signature: Pamela L. Rivers

Title: Laboratory Manager Date: 04/08/96

COMPLIANCE INFORMATION (to be completed by State)

Sample Collection Satisfactory: _____ Sample Analysis Satisfactory: _____

Resample Requested for: _____ Reason: _____

Person notified to resample: _____ Date Notified: _____

DEP/HRS Reviewing Official: _____

DHRS # 82315

**Southeastern Environmental
Laboratories, Inc.**
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PWS030 INORGANIC ANALYSIS 62-550.310(1) NUTRIENTS

Sample Number: 57300 Submission Number: 9603000237

Parameter		Analysis				Analysis	Lab
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>	<u>MDL</u>	<u>Date</u>	<u>ID</u>
1040	Nitrate (10)	< 0.05	MG/L	353.2	< 0.05	03/26/96	82315

DHRS # 82315

**Southeastern Environmental
Laboratories, Inc.**
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PWS030 INORGANIC ANALYSIS 62-550.310(1) MINERALS

Sample Number: 57299 Submission Number: 9603000237

Parameter		Analysis			Analysis	Lab	
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>	<u>MDL</u>	<u>Date</u>	<u>ID</u>
1025	Fluoride (4)	0.926	MG/L	340.1	< 0.1	03/28/96	82315
1041	Nitrite (1)	< 0.05	MG/L	353.2	< 0.05	03/26/96	82315

DHRS # 82315

**Southeastern Environmental
Laboratories, Inc.**
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PWS030 INORGANIC ANALYSIS 62-550.310(1) METALS

Sample Number: 57298 Submission Number: 9603000237

Parameter		Analysis				Analysis	Lab
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>	<u>MDL</u>	<u>Date</u>	<u>ID</u>
1074	Antimony (0.006)	< 0.003	MG/L	204.2	< 0.003	04/01/96	82315
1005	Arsenic (0.05)	< 0.025	MG/L	206.2	< 0.025	03/26/96	82315
1010	Barium (2)	< 0.1	MG/L	200.7	< 0.1	03/26/96	82315
1075	Beryllium (0.004)	< 0.002	MG/L	200.7	< 0.002	04/04/96	82315
1015	Cadmium (0.005)	< 0.003	MG/L	200.7	< 0.003	04/04/96	82315
1020	Chromium (0.1)	< 0.05	MG/L	200.7	< 0.05	03/26/96	82315
1030	Lead (0.015)	< 0.005	MG/L	239.2	< 0.005	03/25/96	82315
1035	Mercury (0.002)	< 0.001	MG/L	245.1	< 0.001	03/28/96	82315
1036	Nickel (0.1)	< 0.05	MG/L	249.1	< 0.05	03/28/96	82315
1045	Selenium (0.05)	< 0.025	MG/L	270.2	< 0.025	03/29/96	82315
1052	Sodium (160)	12.1	MG/L	273.1	< 1.0	03/26/96	82315
1085	Thallium (0.002)	< 0.001	MG/L	200.9	< 0.001	04/02/96	82315

DHRS # 82315

**Southeastern Environmental
Laboratories, Inc.**
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PWS030 INORGANIC ANALYSIS 62-550.310(1) CYANIDE

Sample Number: 57301 Submission Number: 9603000237

Parameter		Analysis				Analysis	Lab
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>	<u>MDL</u>	<u>Date</u>	<u>ID</u>
1024	Cyanide (0.2)	< 0.02	MG/L	335.3	< 0.02	04/02/96	82315

DHRS # 82315

**Southeastern Environmental
Laboratories, Inc.**
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PWS031 SECONDARY CHEMICAL ANALYSIS 62-550.320 MET

Sample Number: 57302 Submission Number: 9603000237

Parameter		Analysis				Analysis	Lab
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>	<u>MDL</u>	<u>Date</u>	<u>ID</u>
1002	Aluminum (0.2)	< 0.1	MG/L	200.7	< 0.1	04/04/96	82315
1022	Copper (1)	< 0.05	MG/L	220.1	< 0.05	03/27/96	82315
1028	Iron (0.3)	0.108	MG/L	236.1	< 0.05	03/27/96	82315
1032	Manganese (0.05)	< 0.01	MG/L	243.1	< 0.01	03/27/96	82315
1050	Silver (0.1)	< 0.05	MG/L	272.1	< 0.05	03/26/96	82315
1095	Zinc (5)	< 0.05	MG/L	289.1	< 0.05	03/27/96	82315

DHRS # 82315

**Southeastern Environmental
Laboratories, Inc.**
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PWS031 SECONDARY CHEMICAL ANALYSIS 62-550.320 MIN

Sample Number: 57303 Submission Number: 9603000237

Parameter		Analysis				Analysis	Lab
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>	<u>MDL</u>	<u>Date</u>	<u>ID</u>
1017	Chloride (250)	42.2	MG/L	325.3	< 1.0	04/01/96	82315
1905	Color (15 color units)	< 5	CU	110.2	< 5	03/27/96	82315
1025	Fluoride (2.0)	0.926	MG/L	340.1	< 0.1	03/28/96	82315
2905	Foaming Agents (0.5)	< 0.02	MG/L	425.1	< 0.02	03/27/96	82315
1925	pH (6.5-8.5)	7.23	S.U.	150.1	< 1.0	03/25/96	82315
1055	Sulfate (250)	202	MG/L	375.4	< 1.0	03/28/96	82315
1930	TDS (500)	477	MG/L	160.1	< 10	03/26/96	82315

DHRS # 82315

**Southeastern Environmental
Laboratories, Inc.**
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PWS031 SECONDARY CHEMICAL ANALYSIS 62-550.320 ODOR

Sample Number: 57304 Submission Number: 9603000237

Parameter		Analysis				Analysis	Lab
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>	<u>MDL</u>	<u>Date</u>	<u>ID</u>
1920	Odor (3 threshold odor number)	< 1	OTN	140.1	< 1	03/25/96	82315



STATE OF FLORIDA
DEPARTMENT OF HEALTH AND REHABILITATIVE SERVICES

PUBLIC DRINKING WATER ANALYSIS REPORT

PUBLIC WATER SYSTEM INFORMATION

Public Water System ID Number: 2160547
 Public Water System Name: Marshview WTP
 Public Water System Type:
 Community Non-Community Non-Transient Non-Communit

LABORATORY CERTIFICATION INFORMATION


Laboratory Certification Number: 13186
 Parameter Group Analyzed: Radiological

SAMPLE INFORMATION

Laboratory Sample Number: 4292
 Sample Date (MMDDYY): 5/29/96 Sample Time: 13:00
 Sample Location: Marshview WTP Plant Effluent Tap
 Sample Type: Check Regular Distribution Composite
 Clearance Maximum Residence Time Plant Tap
 Raw Well Resample
 Special

Sampler Name: D. Temple
 Title: Lab Tech I / Sampler
 Phone: 904/721-4643

I do HEREBY CERTIFY that all data submitted are correct.

Signature: 
 Name: Joseph Escalante
 Title: Chemist III
 Lab: Safe Drinking Water Laboratory
 Phone: 407/297-2095, SC 326-2095
 Date: 6/26/96

Results to:
Scott Turner
United Water Florida
P. O. Box 8004
Jacksonville, FL 32239
904/721-4643

Copy to:
Lynal DeFalco
Dept. of Environmental Protection
7825 Baymeadows Way, Suite B-200
Jacksonville, FL 32256-7577



STATE OF FLORIDA
DEPARTMENT OF HEALTH AND REHABILITATIVE SERVICES

RADIOLOGICAL ANALYSIS

Public Water System ID Number: 2160547

Laboratory Sample Number: 4292

<u>Contam. ID</u>	<u>PARAMETER</u>	<u>Analysis Results (pCi/L)</u>	<u>Analysis Error</u>	<u>Detection Limit</u>	<u>Analytical Method</u>	<u>Analysis Date</u>
4000	Gross Alpha	0.3	1.2	0.9	900.0	6/4/96
4020	Radium-226				903.1	
4030	Radium-228				*Alt	
4400	Natural Uranium				908.0	
4100	Gross Beta				900.0	
4102	Tritium				906.0	
4172	Strontium-89				905.0	
4174	Strontium-90				905.0	
4264	Iodine-131				**Alt	
4270	Cesium-134				901.1	
4276	Cesium-137				901.1	
4142	Cobalt-60				901.1	

NOTE: Methods are from "Prescribed Procedures for Measurement of Radioactivity in Drinking Water," US EPA, EPA-600/4-80-032, unless noted.

*Alternate Approved Procedure: Brooks - Blanchard Method

**Alternate Approved Procedure: Radiochemical Determination of I-131 in Milk and Water

DHRS # 82315

**Southeastern Environmental
Laboratories, Inc.**
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

System Name and Address: NASSAU CTY DETENTION CENTER WTP, 50 BOBBY MOORE CR I.D.#: 2454135

Type: NON-TRAN NON-COM

SAMPLE INFORMATION

Sample Date: 04/21/97 Sample Time: 08:50
Sample Location: NASSAU CTY DETENTION CENTER WTP PLANT EFF TAP
Sampler Name and Phone:
DAVID TEMPLE, LAB TECH/SAMPLER 904-721-4601

Sampler's Signature: *David Temple*
Check Type(s): DISTRIB ENTRY PT
Comments:

LABORATORY CERTIFICATION INFORMATION

Lab Name: Southeastern Environmental Laboratories, Inc. HRS #: 82315 Expiration Date: 6/30/97
Address: 80 Industrial Loop North Building 5 Orange Park, FL 32073 Phone #: (904)269-6176
Subcontracted Lab HRS #:

ANALYSIS INFORMATION SUBMISSION NUMBER: 9704000184
Date Sample Received: 04/21/97 Group(s) Analyzed & Results attached for compliance with 62-550,F.A.C.:

NO3,NO2

I do HEREBY CERTIFY that all attached analytical data are correct.

Signature *Cheryl Bush*

Date: 04/24/97

COMPLIANCE INFORMATION (to be completed by State)

Sample Collection Satisfactory: _____ Sample Analysis Satisfactory: _____

Resample Requested for: _____ Reason: _____

Person notified to resample: _____ Date Notified: _____

DEP/HRS Reviewing Official: _____

DHRS # 82315

Southeastern Environmental
Laboratories, Inc.
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

Sample Number: 81863 Submission Number: 9704000184 NASSAU CTY DETENTION CENTER WTP PLANT

Parameter		Analysis				Analysis	Lab
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>	<u>MDL</u>	<u>Date</u>	<u>ID</u>
1040	Nitrate (10)	< 0.05	MG/L	353.2	< 0.05	04/23/97	82315

DHRS # 82315

**Southeastern Environmental
Laboratories, Inc.**
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

Sample Number: 81864 Submission Number: 9704000184 NASSAU CTY DETENTION CENTER WTP PLANT

Parameter		Analysis				Analysis	Lab
ID	Name/(MCL)	Result	Unit	Method	MDL	Date	ID
1041	Nitrite (1)	< 0.02	MG/L	353.2	< 0.02	04/23/97	82315

Southeastern Environmental
Laboratories, Inc.
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS # 82315

DHRS E-82179

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

System Name and Address: I.D.#: 2454135
NASSAU COUNTY DETENTION CENTER WTP 50 BOBBY MOORE

Type: NON-TRAN NON-COM

SAMPLE INFORMATION

Sample Date: 04/25/96 Sample Time: 09:50
Sample Location: NASSAU COUNTY DETENTION CENTER WTP PLANT EFF TAP
Sampler Name and Phone:
DAVID TEMPLE

Sampler's Signature: David Temple
Check Type(s):
Comments:

LABORATORY CERTIFICATION INFORMATION

Lab Name: Southeastern Environmental HRS #: 82315 Expiration Date: 6/30/96
Laboratories, Inc.
Address: 80 Industrial Loop North Phone #: (904)269-6176
Building 5
Orange Park, FL 32073
Subcontracted Lab HRS #:

ANALYSIS INFORMATION SUBMISSION NUMBER: 9604000289
Date Sample Received: 04/25/96 Group(s) Analyzed & Results attached for
compliance with 62-550, F.A.C.:

NO3, NO2

I, Pamela L. Rivers, do HEREBY CERTIFY that all attached analytical data are
correct.
Signature: Pamela L. Rivers

Title: Laboratory Manager Date: 05/08/96

COMPLIANCE INFORMATION (to be completed by State)

Sample Collection Satisfactory: _____ Sample Analysis Satisfactory: _____

Resample Requested for: _____ Reason: _____

Person notified to resample: _____ Date Notified: _____

DEP/HRS Reviewing Official: _____

DHRS # 82315

**Southeastern Environmental
Laboratories, Inc.**
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

Sample Number: 59442 Submission Number: 9604000289

Parameter		Analysis				Analysis	Lab
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>	<u>MDL</u>	<u>Date</u>	<u>ID</u>
1040	Nitrate (10)	< 0.05	MG/L	353.2	< 0.05	04/26/96	82315

DHRS # 82315

**Southeastern Environmental
Laboratories, Inc.**
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

Sample Number: 59443 Submission Number: 9604000289

Parameter		Analysis			Analysis	Lab	
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>	<u>MDL</u>	<u>Date</u>	<u>ID</u>
1041	Nitrite (1)	< 0.05	MG/L	353.2	< 0.05	04/26/96	82315



Department of Environmental Protection

Lawton Chiles
Governor

Northeast District
7825 Baymeadows Way, Suite B200
Jacksonville, Florida 32256-7590

Virginia B. Wetherell
Secretary

TO: Mr. Scott Turner
United Water Florida, Inc.
Post Office Box 8004
Jacksonville, FL 32239

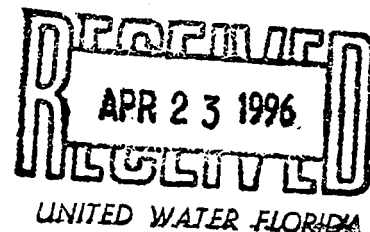
FROM: Vicki Singer

THROUGH: Blanca Rodriguez

DATE: April 22, 1996

SUBJECT: 1996 Chemical Compliance

Nassau County - PW
Nassau County Detention Center
PWS ID#: 2454135



This letter is to remind you of the chemical analyses due for your water system during the 1996 compliance period.

The following analyses are required for your water system:

1. NITRATE
2. NITRITE

The samples should be taken from each entry point to the distribution (plant effluent) . All samples must be treated water.

These samples must be analyzed by a certified laboratory, a list of some of these labs is enclosed. The results shall be submitted to this office upon completion. Do not rely on the laboratory to submit the results for you. Please keep a copy of these results for your own records.

Please submit these analyses to this office by September 30, 1996, to allow us time to credit them to your system.

If you have any questions, please contact the potable water section at 904-448-4330.

DHRS # 82315

**Southeastern Environmental
Laboratories, Inc.**
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

System Name and Address:
ORTEGA HILLS WTP

I.D.#: 2160852

Type: COMMUNITY

SAMPLE INFORMATION

Sample Date: 04/30/97 Sample Time: 12:40
Sample Location: ORTEGA HILLS WTP PLANT EFFLUENT TAP
Sampler Name and Phone:
ROBERT RIGGS

Sampler's Signature: Robert Riggs
Check Type(s): DISTRIB ENTRY PT
Comments:

LABORATORY CERTIFICATION INFORMATION

Lab Name: Southeastern Environmental Laboratories, Inc. HRS #: 82315 Expiration Date: 6/30/97
Address: 80 Industrial Loop North Building 5 Phone #: (904)269-6176
Orange Park, FL 32073
Subcontracted Lab HRS #: 84269

ANALYSIS INFORMATION SUBMISSION NUMBER: 9704000312

Date Sample Received: 04/30/97 Group(s) Analyzed & Results attached for compliance with 62-550,F.A.C.:

INORG, VOL, SEC, PEST/PCB, GRP II

I do HEREBY CERTIFY that all attached analytical data are correct.

Signature Chad J. P.

Date: 05/20/97

COMPLIANCE INFORMATION (to be completed by State)

Sample Collection Satisfactory: _____ Sample Analysis Satisfactory: _____

Resample Requested for: _____ Reason: _____

Person notified to resample: _____ Date Notified: _____

DEP/HRS Reviewing Official: _____

DHRS # 82315

Southeastern Environmental
Laboratories, Inc.
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PWS030 INORGANIC ANALYSIS 62-550.310(1) METALS

Sample Number: 82510 Submission Number: 9704000312 ORTEGA HILLS WTP PLANT EFFLUENT TAP

Parameter		Analysis			Analysis	Lab
ID	Name/(MCL)	Result	Unit	Method MDL	Date	ID
1074	Antimony (0.006)	< 0.003	MG/L	SM3113B < 0.003	05/06/97	82315
1005	Arsenic (0.05)	< 0.005	MG/L	SM3113B < 0.005	05/05/97	82315
1010	Barium (2)	0.034	MG/L	200.7 < 0.010	05/02/97	82315
1075	Beryllium (0.004)	< 0.002	MG/L	200.7 < 0.002	05/02/97	82315
1015	Cadmium (0.005)	< 0.003	MG/L	200.7 < 0.003	05/02/97	82315
1020	Chromium (0.1)	< 0.010	MG/L	200.7 < 0.010	05/02/97	82315
1030	Lead (0.015)	0.001	MG/L	SM3113B < 0.001	05/05/97	82315
1035	Mercury (0.002)	< 0.0005	MG/L	245.1 < 0.005	05/13/97	82315
1036	Nickel (0.1)	< 0.05	MG/L	SM3111B < 0.05	05/01/97	82315
1045	Selenium (0.05)	< 0.002	MG/L	SM3113B < 0.002	05/05/97	82315
1052	Sodium (160)	6.39	MG/L	SM3111B < 0.500	05/01/97	82315
1085	Thallium (0.002)	< 0.001	MG/L	200.9 < 0.001	05/06/97	82315

DHRS # 82315

**Southeastern Environmental
Laboratories, Inc.**
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PWS030 INORGANIC ANALYSIS 62-550.310(1) MINERALS

Sample Number: 82511 Submission Number: 9704000312 ORTEGA HILLS WTP PLANT EFFLUENT TAP

Parameter		Analysis				Analysis	Lab
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>	<u>MDL</u>	<u>Date</u>	<u>ID</u>
1025	Fluoride (4)	0.419	MG/L	SM4500F	< 0.1	05/05/97	82315
1041	Nitrite (1)	< 0.02	MG/L	353.2	< 0.02	05/02/97	82315

DHRS # 82315

**Southeastern Environmental
Laboratories, Inc.**
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PWS030 INORGANIC ANALYSIS 62-550.310(1) NUTRIENTS

Sample Number: 82512 Submission Number: 9704000312 ORTEGA HILLS WTP PLANT EFFLUENT TAP

Parameter		Analysis				Analysis	Lab
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>	<u>MDL</u>	<u>Date</u>	<u>ID</u>
1040	Nitrate (10)	< 0.05	MG/L	353.2	< 0.05	05/02/97	82315

DHRS # 82315

**Southeastern Environmental
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80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PWS030 INORGANIC ANALYSIS 62-550.310(1) CYANIDE

Sample Number: 82513 Submission Number: 9704000312 ORTEGA HILLS WTP PLANT EFFLUENT TAP

Parameter		Analysis			Analysis	Lab	
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>	<u>MDL</u>	<u>Date</u>	<u>ID</u>
1024	Cyanide (0.2)	< 0.02	MG/L	SM4500C	< 0.02	05/05/97	82315

DHRS # 82315

Southeastern Environmental
Laboratories, Inc.
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PWS028 VOLATILE ORGANIC ANALYSIS 62-550.310(2)(b)

Sample Number: 82514 Submission Number: 9704000312 ORTEGA HILLS WTP PLANT EFFLUENT TAP

Parameter		Analysis				Analysis	Lab
ID	Name/(MCL)	Result	Unit	Method	MDL	Date	ID
2969	Para-dichlorobenzene	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2378	1,2,4-Trichlorobenzene	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2380	Cis-1,2-dichloroethylene	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2955	Xylenes (o)	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
--	Xylenes (m,p)	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2964	Dichloromethane	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2968	O-dichlorobenzene	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2976	Vinyl Chloride	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2977	1,1-Dichloroethylene	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2979	Trans-1,2-dichloroethylene	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2980	1,2-dichloroethane	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2981	1,1,1-trichloroethane	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2982	Carbon Tetrachloride	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
83	1,2-dichloropropane	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2984	Trichloroethylene	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2985	1,1,2-trichloroethane	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2987	Tetrachloroethylene	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2989	Monochlorobenzene	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2990	Benzene	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2991	Toluene	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2992	Ethylbenzene	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2996	Styrene	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315

DHRS # 82315

Southeastern Environmental
Laboratories, Inc.
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PWS034 UNREGULATED GROUP II ANALYSIS 62-550.410

Sample Number: 82515 Submission Number: 9704000312 ORTEGA HILLS WTP PLANT EFFLUENT TAP

Parameter		Analysis			Analysis		Lab
ID	Name/(MCL)	Result	Unit	Method	MDL	Date	ID
2210	Chloromethane	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2212	Dichlorodifluoromethane	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2214	Bromomethane	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2216	Chloroethane	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2218	Trichlorofluoromethane	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2251	Methyl-tert-butyl-ether	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2408	Dibromomethane	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2410	1,1-dichloropropene	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2412	1,3-dichloropropene	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2413	1,3-dichloropropene	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2414	1,2,3-trichloropropane	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2416	2,2-dichloropropane	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2941	Chloroform	0.0229	MG/L	524.2	< 0.0005	05/08/97	82315
2942	Bromoform	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2943	Bromodichloromethane	0.0081	MG/L	524.2	< 0.0005	05/08/97	82315
2944	Dibromochloromethane	0.0041	MG/L	524.2	< 0.0005	05/08/97	82315
2965	o-chlorotoluene	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2966	p-chlorotoluene	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2967	m-dichlorobenzene	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2978	1,1-dichloroethane	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2986	1,1,1,2-tetrachloroethane	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2988	1,1,2,2-tetrachloroethane	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2993	Bromobenzene	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315

DHRS # 82315

Southeastern Environmental
Laboratories, Inc.
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PWS031 SECONDARY CHEMICAL ANALYSIS 62-550.320 MET

Sample Number: 82516 Submission Number: 9704000312 ORTEGA HILLS WTP PLANT EFFLUENT TAP

Parameter		Analysis			Analysis	Lab	
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>	<u>MDL</u>	<u>Date</u>	<u>ID</u>
1002	Aluminum (0.2)	0.055	MG/L	200.7	< 0.010	05/06/97	82315
1022	Copper (1)	0.021	MG/L	SM3111B	< 0.010	05/01/97	82315
1028	Iron (0.3)	< 0.05	MG/L	SM3111B	< 0.05	05/01/97	82315
1032	Manganese (0.05)	< 0.01	MG/L	SM3111B	< 0.01	05/01/97	82315
1050	Silver (0.1)	< 0.020	MG/L	SM3111B	< 0.020	05/02/97	82315
1095	Zinc (5)	< 0.05	MG/L	SM3111B	< 0.05	05/01/97	82315

DHRS # 82315

**Southeastern Environmental
Laboratories, Inc.**
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PWS031 SECONDARY CHEMICAL ANALYSIS 62-550.320 MIN

Sample Number: 82517 Submission Number: 9704000312 ORTEGA HILLS WTP PLANT EFFLUENT TAP

Parameter		Analysis			Analysis	Lab
ID	Name/(MCL)	Result	Unit	Method MDL	Date	ID
1017	Chloride (250)	15.2	MG/L	SM4500C < 0.5	05/05/97	82315
1905	Color (15 color units)	< 5	CU	SM2120B < 5	05/01/97	82315
1025	Fluoride (2.0)	0.419	MG/L	SM4500F < 0.1	05/05/97	82315
2905	Foaming Agents (0.5)	< 0.05	MG/L	SM5540C < 0.05	05/01/97	82315
1925	pH (6.5-8.5)	7.12	S.U.	150.1 < 1.0	05/01/97	82315
1055	Sulfate (250)	68.8	MG/L	375.4 < 1.0	05/05/97	82315
1930	TDS (500)	253	MG/L	SM2540C < 5	05/02/97	82315

DHRS # 82315

**Southeastern Environmental
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(904) 269-6176

DHRS E-82179

PWS031 SECONDARY CHEMICAL ANALYSIS 62-550.320 ODOR

Sample Number: 82518 Submission Number: 9704000312 ORTEGA HILLS WTP PLANT EFFLUENT TAP

Parameter		Analysis				Analysis	Lab
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>	<u>MDL</u>	<u>Date</u>	<u>ID</u>
1920	Odor (3 threshold odor number)	< 1	OTN	SM2150B	< 1	05/01/97	82315

DHRS # 82315

**Southeastern Environmental
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Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PWS029 PEST & PCB CHEM ANALYSIS 62-550.310(2)(c)

Sample Number: 82519 Submission Number: 9704000312 ORTEGA HILLS WTP PLANT EFFLUENT TAP

Parameter		Analysis				Analysis		Lab
ID	Name/(MCL)	Result	Unit	Method	MDL	Date	ID	
2931	Dibromochloropropane (.2)	< 0.005	UG/L	504	< 0.005	05/10/97	84269	
2946	Ethylene dibromide (.02)	< 0.005	UG/L	504	< 0.005	05/10/97	84269	
2042	Hexachlorocyclopentadiene (50)	< 0.1	UG/L	505	< 0.1	05/07/97	84269	
2035	Di(2-ethylhexyl)adipate (400)	< 1.0	UG/L	525	< 1.0	05/05/97	84269	
2039	Di(2-ethylhexyl)phthalate (6)	< 1.0	UG/L	525	< 1.0	05/05/97	84269	
2037	Simazine (4)	< 0.1	UG/L	507	< 0.1	05/05/97	84269	
2050	Atrazine (3)	< 0.1	UG/L	507	< 0.1	05/05/97	84269	
2051	Alachlor (2)	< 0.3	UG/L	507	< 0.3	05/05/97	84269	
2005	Endrin (2)	< 0.01	UG/L	508	< 0.01	05/05/97	84269	
2010	Lindane (.2)	< 0.01	UG/L	508	< 0.01	05/05/97	84269	
2015	Methoxychlor (40)	< 0.02	UG/L	508	< 0.02	05/05/97	84269	
2020	Toxaphene (3)	< 0.2	UG/L	508	< 0.2	05/05/97	84269	
2065	Heptachlor (.4)	< 0.1	UG/L	508	< 0.01	05/05/97	84269	
2067	Heptachlor Epoxide (.2)	< 0.01	UG/L	508	< 0.01	05/05/97	84269	
2274	Hexachlorobenzene (1)	< 0.01	UG/L	508	< 0.01	05/05/97	84269	
2383	PCB's (.5)	< 0.05	UG/L	508	< 0.05	05/05/97	84269	
2959	Chlordane (2)	< 0.05	UG/L	508	< 0.05	05/05/97	84269	
2031	Dalapon (200)	< 1	UG/L	515.1	< 1	05/08/97	84269	
2040	Picloram (500)	< 0.2	UG/L	515.1	< 0.2	05/08/97	84269	
2041	Dinoseb (7)	< 0.2	UG/L	515.1	< 0.2	05/08/97	84269	
2105	2,4-D (70)	< 0.5	UG/L	515.1	< 0.5	05/08/97	84269	
2110	2,4,5-TP (Silvex) (50)	< 0.05	UG/L	515.1	< 0.05	05/08/97	84269	
2326	Pentachlorophenol (1)	< 0.05	UG/L	515.1	< 0.05	05/08/97	84269	
2036	Oxamyl (Vydate) (200)	< 0.5	UG/L	531.1	< 0.5	05/16/97	84269	
2046	Carbofuran (40)	< 0.5	UG/L	531.1	< 0.5	05/16/97	84269	
2034	Glyphosate (700)	< 10	UG/L	547	< 10	05/06/97	84269	
2033	Endothall (100)	< 10.0	UG/L	548	< 10.0	05/07/97	84269	
2032	Diquat (20)	< 1.0	UG/L	549.1	< 1.0	05/05/97	84269	
2306	Benzo(a)pyrene (.2)	< 0.01	UG/L	550	< 0.01	05/05/97	84269	

HEPTACHLOR D.L. CHANGED DUE TO MATRIX INTERFERENCE.



Lawton Chiles
Governor

James T. Howell, M.D., M.P.H.
Secretary

PUBLIC DRINKING WATER ANALYSIS REPORT

PUBLIC WATER SYSTEM INFORMATION

Public Water System ID Number: 2160852

Public Water System Name: Ortega Hills WYP

Public Water System Type:
 Community Non-Community Non-Transient Non-Community

LABORATORY CERTIFICATION INFORMATION

Laboratory Certification Number: 13186

Parameter Group Analyzed: Radiological

SAMPLE INFORMATION

Laboratory Sample Number: 4309


Sample Date (MMDDYY): 7/28/97 Sample Time: 13:00

Sample Location: Ortega Hills WTP Plant Effluent Tap

Sample Type: Check Regular Distribution Composite
 Clearance Maximum Residence Time Plant Tap
 Raw Well Resample
 Special

Sampler Name: David Temple
Title: Lab Tech / Sampler
Phone: 904/721-4601

I do HEREBY CERTIFY that all data submitted are correct.

Signature: 
Name: Joseph Escalante
Title: Chemist III
Lab: Safe Drinking Water Laboratory
Phone: 407/297-2095, SC 326-2095
Date: 9/2/97

Results to:
Scott Turner
United Water Florida
P. O. Box 8004
Jacksonville, FL 32239
904/721-4643

Copy to:
Lynal DeFalco
Dept. of Environmental Protection
7825 Baymeadows Way, Suite B-200
Jacksonville, FL 32256-7577



Lawton Chiles
Governor

James T. Howell, M.D., M.P.H.
Secretary

RADIOLOGICAL ANALYSIS

Public Water System ID Number: 2160852

Laboratory Sample Number: 4309

<u>Contam. ID</u>	<u>PARAMETER</u>	<u>Analysis Results (pCi/L)</u>	<u>Analysis Error</u>	<u>Detection Limit</u>	<u>Analytical Method</u>	<u>Analysis Date</u>
4000	Gross Alpha	2.1	1.3	0.8	900.0	8/4/97
4020	Radium-226				903.1	
4030	Radium-228				*Alt	
4400	Natural Uranium				908.0	
4100	Gross Beta				900.0	
4102	Tritium				906.0	
4172	Strontium-89				905.0	
4174	Strontium-90				905.0	
4264	Iodine-131				**Alt	
4270	Cesium-134				901.1	
4276	Cesium-137				901.1	
4142	Cobalt-60				901.1	

NOTE: Methods are from "Prescribed Procedures for Measurement of Radioactivity in Drinking Water," US EPA, EPA-600/4-80-032, unless noted.

*Alternate Approved Procedure: Brooks - Blanchard Method

**Alternate Approved Procedure: Radiochemical Determination of I-131 in Milk and Water

DHRS # 82315

Southeastern Environmental
Laboratories, Inc.
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

System Name and Address: ORTEGA HILLS WTP 5033 GREENWAY DR
I.D.#: 2160852

Type: COMMUNITY

SAMPLE INFORMATION

Sample Date: 04/25/96 Sample Time: 13:10
Sample Location: ORTEGA HILLS WTP PLANT EFFLUENT TAP
Sampler Name and Phone:
ROBERT RIGGS

Sampler's Signature: Robert Riggs
Check Type(s): DISTRIB ENTRY PT
Comments:

LABORATORY CERTIFICATION INFORMATION

Lab Name: Southeastern Environmental Laboratories, Inc. HRS #: 82315 Expiration Date: 6/30/96
Address: 80 Industrial Loop North Building 5 Phone #: (904)269-6176
Orange Park, FL 32073
Subcontracted Lab HRS #:

ANALYSIS INFORMATION SUBMISSION NUMBER: 9604000283

Date Sample Received: 04/25/96 Group(s) Analyzed & Results attached for compliance with 62-550, F.A.C.:

NO3, NO2

I, Pamela L. Rivers, do HEREBY CERTIFY that all attached analytical data are correct.

Signature: Pamela L. Rivers

Title: Laboratory Manager Date: 04/30/96

COMPLIANCE INFORMATION (to be completed by State)

Sample Collection Satisfactory: _____ Sample Analysis Satisfactory: _____

Resample Requested for: _____ Reason: _____

Person notified to resample: _____ Date Notified: _____

DEP/HRS Reviewing Official: _____

**Southeastern Environmental
Laboratories, Inc.**
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS # 82315

DHRS E-82179

Sample Number: 59430 Submission Number: 9604000283

Parameter		Analysis				Analysis	Lab
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>	<u>MDL</u>	<u>Date</u>	<u>ID</u>
1040	Nitrate (10)	0.365	MG/L	353.2	< 0.05	04/26/96	82315

**Southeastern Environmental
Laboratories, Inc.**
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS # 82315

DHRS E-82179

Sample Number: 59431 Submission Number: 9604000283

Parameter		Analysis			Analysis	Lab	
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>	<u>MDL</u>	<u>Date</u>	<u>ID</u>
1041	Nitrite (1)	< 0.05	MG/L	353.2	< 0.05	04/26/96	82315



LAWTON CHILES, GOVERNOR

HRS Duval County Public Health Unit

Environmental Health/Engineering Division
900 Building - Suite 300
900 University Boulevard North
Jacksonville, Florida 32211

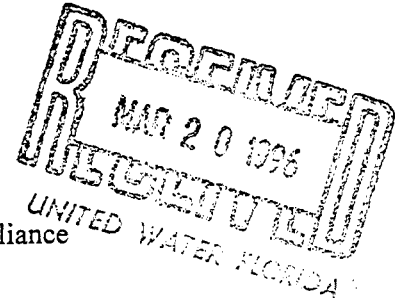
March 13, 1996



JOHN A. DELANEY, MAYOR

United Water
Attn: Scott Turner
P. O. Box 8004
Jacksonville, FL 32239

DUVAL COUNTY
RE: 1996 Chemical Compliance
Ortega Hills WTP
PWS ID #: 2160852



Dear Mr. Turner:

In order for your water system to remain in compliance, we wish to inform you of the chemical analyses which are due for the 1996 compliance period.

The following analyses are required for your water system:

1. Nitrate
2. Nitrite

The samples should be taken from the entry point to the distribution (plant effluent). These samples must be treated water.

These samples must be analyzed by a HRS certified laboratory. The results shall be submitted to this office upon completion. Do not rely on the laboratory to submit the results for you. Please keep a copy of these results for your own records.

These analyses need to be submitted to this office no later than November 1, 1996, in order to allow us time to review the results and give you credit in a timely manner.

If you have any questions, please contact the drinking water section at 630-3272.

Sincerely,

Deborah A. Jones
Environmental Specialist II

cc:

Southeastern Environmental
Laboratories, Inc.
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS # 82315

DHRS E-82179

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

System Name and Address:

I.D.#: 2454286

OTTER RUN WTP, 00000 LITTLEBERRY LN

Type: COMMUNITY

SAMPLE INFORMATION

Sample Date: 04/28/97 Sample Time: 09:15

Sample Location: OTTER RUN WTP PLANT EFFLUENT TAP

Sampler Name and Phone:

DAVID TEMPLE, LAB TECH/SAMPLER 904-721-4601

Sampler's Signature: David Temple

Check Type(s): DISTRIB ENTRY PT

Comments:

LABORATORY CERTIFICATION INFORMATION

Lab Name: Southeastern Environmental Laboratories, Inc. HRS #: 82315 Expiration Date: 6/30/97

Address: 80 Industrial Loop North Building 5
Orange Park, FL 32073

Phone #: (904)269-6176

Subcontracted Lab HRS #: 84269

ANALYSIS INFORMATION SUBMISSION NUMBER: 9704000272

Date Sample Received: 04/28/97 Group(s) Analyzed & Results attached for compliance with 62-550, F.A.C.:

INORGANICS, GRP II, SECONDARIES, PEST/PCB, VOC

I do HEREBY CERTIFY that all attached analytical data are correct.

Signature Cheryl

Date: 05/19/97

COMPLIANCE INFORMATION (to be completed by State)

Sample Collection Satisfactory: _____ Sample Analysis Satisfactory: _____

Resample Requested for: _____ Reason: _____

Person notified to resample: _____ Date Notified: _____

DEP/HRS Reviewing Official: _____

DHRS # 82315

Southeastern Environmental
Laboratories, Inc.
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PWS030 INORGANIC ANALYSIS 62-550.310(1) METALS

Sample Number: 82267 Submission Number: 9704000272 OTTER RUN WTP PLANT EFFLUENT TAP

Parameter		Analysis			Analysis	Lab
ID	Name/(MCL)	Result	Unit	Method MDL	Date	ID
1074	Antimony (0.006)	< 0.003	MG/L	SM3113B < 0.003	04/30/97	82315
1005	Arsenic (0.05)	< 0.005	MG/L	SM3113B < 0.005	04/29/97	82315
1010	Barium (2)	0.024	MG/L	200.7 < 0.010	04/30/97	82315
1075	Beryllium (0.004)	< 0.002	MG/L	200.7 < 0.002	04/30/97	82315
1015	Cadmium (0.005)	< 0.003	MG/L	200.7 < 0.003	04/30/97	82315
1020	Chromium (0.1)	< 0.010	MG/L	200.7 < 0.010	04/30/97	82315
1030	Lead (0.015)	< 0.001	MG/L	SM3113B < 0.001	04/28/97	82315
1035	Mercury (0.002)	< 0.0005	MG/L	245.1 < 0.005	05/01/97	82315
1036	Nickel (0.1)	< 0.05	MG/L	SM3111B < 0.05	05/01/97	82315
1045	Selenium (0.05)	< 0.002	MG/L	SM3113B < 0.002	04/29/97	82315
1052	Sodium (160)	17.1	MG/L	SM3111B < 0.500	05/01/97	82315
1085	Thallium (0.002)	< 0.001	MG/L	200.9 < 0.001	04/30/97	82315

DHRS # 82315

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DHRS E-82179

PWS030 INORGANIC ANALYSIS 62-550.310(1) MINERALS

Sample Number: 82268 Submission Number: 9704000272 OTTER RUN WTP PLANT EFFLUENT TAP

Parameter		Analysis				Analysis	Lab
ID	Name/(MCL)	Result	Unit	Method	MDL	Date	ID
1025	Fluoride (4)	0.904	MG/L	SM4500F	< 0.1	04/29/97	82315
1041	Nitrite (1)	< 0.02	MG/L	353.2	< 0.02	04/29/97	82315

DHRS # 82315

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DHRS E-82179

PWS030 INORGANIC ANALYSIS 62-550.310(1) NUTRIENTS

Sample Number: 82269 Submission Number: 9704000272 OTTER RUN WTP PLANT EFFLUENT TAP

Parameter		Analysis				Analysis	Lab
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>	<u>MDL</u>	<u>Date</u>	<u>ID</u>
1040	Nitrate (10)	< 0.05	MG/L	353.2	< 0.05	04/29/97	82315

DHRS # 82315

**Southeastern Environmental
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80 Industrial Loop North, Building 5
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(904) 269-6176

DHRS E-82179

PWS030 INORGANIC ANALYSIS 62-550.310(1) CYANIDE

Sample Number: 82270 Submission Number: 9704000272 OTTER RUN WTP PLANT EFFLUENT TAP

Parameter		Analysis			Analysis	Lab	
ID	Name/(MCL)	Result	Unit	Method	MDL	Date	ID
1024	Cyanide (0.2)	< 0.02	MG/L	SM4500C	< 0.02	05/05/97	82315

DHRS # 82315

**Southeastern Environmental
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80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PWS031 SECONDARY CHEMICAL ANALYSIS 62-550.320 MET

Sample Number: 82271 Submission Number: 9704000272 OTTER RUN WTP PLANT EFFLUENT TAP

Parameter		Analysis				Analysis	Lab
ID	Name/(MCL)	Result	Unit	Method	MDL	Date	ID
1002	Aluminum (0.2)	0.046	MG/L	200.7	< 0.010	04/30/97	82315
1022	Copper (1)	< 0.010	MG/L	SM3111B	< 0.010	05/01/97	82315
1028	Iron (0.3)	< 0.05	MG/L	SM3111B	< 0.05	05/01/97	82315
1032	Manganese (0.05)	< 0.01	MG/L	SM3111B	< 0.01	05/01/97	82315
1050	Silver (0.1)	< 0.020	MG/L	SM3111B	< 0.020	05/02/97	82315
1095	Zinc (5)	< 0.05	MG/L	SM3111B	< 0.05	05/01/97	82315

**Southeastern Environmental
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80 Industrial Loop North, Building 5
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(904) 269-6176

DHRS # 82315

DHRS E-82179

PWS031 SECONDARY CHEMICAL ANALYSIS 62-550.320 MIN

Sample Number: 82272 Submission Number: 9704000272 OTTER RUN WTP PLANT EFFLUENT TAP

Parameter		Analysis			Analysis	Lab
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u> <u>MDL</u>	<u>Date</u>	<u>ID</u>
1017	Chloride (250)	31.6	MG/L	SM4500C < 0.5	05/05/97	82315
1905	Color (15 color units)	< 5	CU	SM2120B < 5	04/29/97	82315
1025	Fluoride (2.0)	0.904	MG/L	SM4500F < 0.1	04/29/97	82315
2905	Foaming Agents (0.5)	< 0.05	MG/L	SM5540C < 0.05	04/29/97	82315
1925	pH (6.5-8.5)	7.03	S.U.	150.1 < 1.0	04/29/97	82315
1055	Sulfate (250)	128	MG/L	375.4 < 1.0	04/29/97	82315
1930	TDS (500)	429	MG/L	SM2540C < 5	04/29/97	82315

DHRS # 82315

Southeastern Environmental
Laboratories, Inc.
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PWS031 SECONDARY CHEMICAL ANALYSIS 62-550.320 ODOR

Sample Number: 82273 Submission Number: 9704000272 OTTER RUN WTP PLANT EFFLUENT TAP

Parameter		Analysis				Analysis	Lab
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>	<u>MDL</u>	<u>Date</u>	<u>ID</u>
1920	Odor (3 threshold odor number)	< 1	OTN	SM2150B	< 1	04/28/97	82315

DHRS # 82315

**Southeastern Environmental
Laboratories, Inc.**
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PWS028 VOLATILE ORGANIC ANALYSIS 62-550.310(2)(b)

Sample Number: 82274 Submission Number: 9704000272 OTTER RUN WTP PLANT EFFLUENT TAP

Parameter		Analysis			Analysis		Lab
ID	Name/(MCL)	Result	Unit	Method	MDL	Date	ID
2969	Para-dichlorobenzene	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2378	1,2,4-Trichlorobenzene	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2380	Cis-1,2-dichloroethylene	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2955	Xylenes (o)	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
--	Xylenes (m,p)	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2964	Dichloromethane	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2968	O-dichlorobenzene	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2976	Vinyl Chloride	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2977	1,1-Dichloroethylene	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2979	Trans-1,2-dichloroethylene	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2980	1,2-dichloroethane	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2981	1,1,1-trichloroethane	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2982	Carbon Tetrachloride	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
83	1,2-dichloropropane	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2984	Trichloroethylene	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2985	1,1,2-trichloroethane	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2987	Tetrachloroethylene	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2989	Monochlorobenzene	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2990	Benzene	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2991	Toluene	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2992	Ethylbenzene	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2996	Styrene	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315

**Southeastern Environmental
Laboratories, Inc.**

80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS # 82315

DHRS E-82179

PWS034 UNREGULATED GROUP II ANALYSIS 62-550.410

Sample Number: 82275 Submission Number: 9704000272 OTTER RUN WTP PLANT EFFLUENT TAP

Parameter		Analysis			Analysis		Lab
ID	Name/(MCL)	Result	Unit	Method	MDL	Date	ID
2210	Chloromethane	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2212	Dichlorodifluoromethane	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2214	Bromomethane	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2216	Chloroethane	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2218	Trichlorofluoromethane	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2251	Methyl-tert-butyl-ether	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2408	Dibromomethane	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2410	1,1-dichloropropene	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2412	1,3-dichloropropane	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2413	1,3-dichloropropene	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2414	1,2,3-trichloropropane	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2416	2,2-dichloropropane	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2941	Chloroform	0.0285	MG/L	524.2	< 0.0005	05/01/97	82315
42	Bromoform	0.0011	MG/L	524.2	< 0.0005	05/01/97	82315
2943	Bromodichloromethane	0.0181	MG/L	524.2	< 0.0005	05/01/97	82315
2944	Dibromochloromethane	0.0088	MG/L	524.2	< 0.0005	05/01/97	82315
2965	o-chlorotoluene	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2966	p-chlorotoluene	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2967	m-dichlorobenzene	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2978	1,1-dichloroethane	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2986	1,1,1,2-tetrachloroethane	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2988	1,1,2,2-tetrachloroethane	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2993	Bromobenzene	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315

**Southeastern Environmental
Laboratories, Inc.**
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS # 82315

DHRS E-82179

PWS029 PEST & PCB CHEM ANALYSIS 62-550.310(2)(c)

Sample Number: 82276 Submission Number: 9704000272 OTTER RUN WTP PLANT EFFLUENT TAP

Parameter		Analysis				Analysis		Lab
ID	Name/(MCL)	Result	Unit	Method	MDL	Date	ID	
2931	Dibromochloropropane (.2)	< 0.005	UG/L	504	< 0.005	05/01/97	84269	
2946	Ethylene dibromide (.02)	< 0.005	UG/L	504	< 0.005	05/01/97	84269	
2042	Hexachlorocyclopentadiene (50)	< 0.1	UG/L	505	< 0.1	05/07/97	84269	
2035	Di(2-ethylhexyl)adipate (400)	< 1.0	UG/L	525	< 1.0	05/02/97	84269	
2039	Di(2-ethylhexyl)phthalate (6)	< 1.0	UG/L	525	< 1.0	05/02/97	84269	
2037	Simazine (4)	< 0.1	UG/L	507	< 0.1	05/02/97	84269	
2050	Atrazine (3)	< 0.1	UG/L	507	< 0.1	05/02/97	84269	
2051	Alachlor (2)	< 0.3	UG/L	507	< 0.3	05/02/97	84269	
2005	Endrin (2)	< 0.01	UG/L	508	< 0.01	05/02/97	84269	
2010	Lindane (.2)	< 0.01	UG/L	508	< 0.01	05/02/97	84269	
2015	Methoxychlor (40)	< 0.02	UG/L	508	< 0.02	05/02/97	84269	
2020	Toxaphene (3)	< 0.2	UG/L	508	< 0.2	05/02/97	84269	
2065	Heptachlor (.4)	< 0.01	UG/L	508	< 0.01	05/02/97	84269	
67	Heptachlor Epoxide (.2)	< 0.01	UG/L	508	< 0.01	05/02/97	84269	
2274	Hexachlorobenzene (1)	< 0.01	UG/L	508	< 0.01	05/02/97	84269	
2383	PCB's (.5)	< 0.05	UG/L	508	< 0.05	05/02/97	84269	
2959	Chlordane (2)	< 0.05	UG/L	508	< 0.05	05/02/97	84269	
2031	Dalapon (200)	< 1	UG/L	515.1	< 1	04/30/97	84269	
2040	Picloram (500)	< 0.2	UG/L	515.1	< 0.2	04/30/97	84269	
2041	Dinoseb (7)	< 0.2	UG/L	515.1	< 0.2	04/30/97	84269	
2105	2,4-D (70)	< 0.5	UG/L	515.1	< 0.5	04/30/97	84269	
2110	2,4,5-TP (Silvex) (50)	< 0.05	UG/L	515.1	< 0.05	04/30/97	84269	
2326	Pentachlorophenol (1)	< 0.05	UG/L	515.1	< 0.05	04/30/97	84269	
2036	Oxamyl (Vydate) (200)	< 0.5	UG/L	531.1	< 0.5	05/02/97	84269	
2046	Carbofuran (40)	< 0.5	UG/L	531.1	< 0.5	05/02/97	84269	
2034	Glyphosate (700)	< 10	UG/L	547	< 10	05/06/97	84269	
2033	Endothall (100)	< 10.0	UG/L	548	< 10.0	05/01/97	84269	
2032	Diquat (20)	< 1.0	UG/L	549.1	< 1.0	05/05/97	84269	
2306	Benzo(a)pyrene (.2)	< 0.01	UG/L	550	< 0.01	05/02/97	84269	



Lawton Chiles
Governor

James T. Howell, M.D., M.P.H.
Secretary

PUBLIC DRINKING WATER ANALYSIS REPORT

PUBLIC WATER SYSTEM INFORMATION

Public Water System ID Number: 2454286

Public Water System Name: Otter Run WTP

Public Water System Type:
 Community Non-Community Non-Transient Non-Community

LABORATORY CERTIFICATION INFORMATION

Laboratory Certification Number: 13186

Parameter Group Analyzed: Radiological

SAMPLE INFORMATION

Laboratory Sample Number: 4311

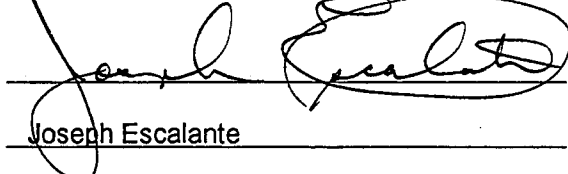
Sample Date (MMDDYY): 7/28/97 Sample Time: 9:15

Sample Location: Otter Run WTP Plant Effluent Tap

Sample Type: Check Regular Distribution Composite
 Clearance Maximum Residence Time Plant Tap
 Raw Well Resample
 Special

Sampler Name: David Temple
Title: Lab Tech / Sampler
Phone: 904/721-4601

I do HEREBY CERTIFY that all data submitted are correct.

Signature: 
Name: Joseph Escalante
Title: Chemist III
Lab: Safe Drinking Water Laboratory
Phone: 407/297-2095, SC 326-2095
Date: 9/2/97

Results to:
Scott Turner
United Water Florida
P. O. Box 8004
Jacksonville, FL 32239
904/721-4643

Copy to:
Lynal DeFalco
Dept. of Environmental Protection
7825 Baymeadows Way, Suite B-200
Jacksonville, FL 32256-7577



Lawton chiles
Governor

James T. Howell, M.D., M.P.H.
Secretary

RADIOLOGICAL ANALYSIS

Public Water System ID Number: 2454286

Laboratory Sample Number: 4311

<u>Contam. ID</u>	<u>PARAMETER</u>	<u>Analysis Results (pCi/L)</u>	<u>Analysis Error</u>	<u>Detection Limit</u>	<u>Analytical Method</u>	<u>Analysis Date</u>
4000	Gross Alpha	0.0	0.7	0.6	900.0	8/4/97
4020	Radium-226				903.1	
4030	Radium-228				*Alt	
4400	Natural Uranium				908.0	
4100	Gross Beta				900.0	
4102	Tritium				906.0	
4172	Strontium-89				905.0	
4174	Strontium-90				905.0	
4264	Iodine-131				**Alt	
4270	Cesium-134				901.1	
4276	Cesium-137				901.1	
4142	Cobalt-60				901.1	

NOTE: Methods are from "Prescribed Procedures for Measurement of Radioactivity in Drinking Water," US EPA, EPA-600/4-80-032, unless noted.

*Alternate Approved Procedure: Brooks - Blanchard Method

**Alternate Approved Procedure: Radiochemical Determination of I-131 in Milk and Water

DHRS # 82315

Southeastern Environmental
Laboratories, Inc.
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

System Name and Address: I.D.#: 2554334
PDL GRID SYSTEM: PONCE DE LEON WTP-3154 ST RD A1AS

Type: COMMUNITY

SAMPLE INFORMATION

Sample Date: 06/09/97 Sample Time: 10:10
Sample Location: PONCE DE LEON WTP PLANT EFFLUENT TAP
Sampler Name and Phone:
ROBERT RIGGS/LAB TECH/SAMPLER 904-721-4601

Sampler's Signature: Robert Riggs
Check Type(s): DISTRIB ENTRY PT
Comments:

LABORATORY CERTIFICATION INFORMATION

Lab Name: Southeastern Environmental HRS #: 82315 Expiration Date: 6/30/98
Laboratories, Inc.
Address: 80 Industrial Loop North Phone #: (904)269-6176
Building 5
Orange Park, FL 32073
Subcontracted Lab HRS #:

ANALYSIS INFORMATION SUBMISSION NUMBER: 9706000057
Date Sample Received: 06/09/97 Group(s) Analyzed & Results attached for
compliance with 62-550,F.A.C.:

INORGANICS, SECONDARIES

I do HEREBY CERTIFY that all attached analytical data are correct.

Signature Robert Riggs

Date: 08/25/97

COMPLIANCE INFORMATION (to be completed by State)

Sample Collection Satisfactory: _____ Sample Analysis Satisfactory: _____

Resample Requested for: _____ Reason: _____

Person notified to resample: _____ Date Notified: _____

DEP/HRS Reviewing Official: _____

DHRS # 82315

**Southeastern Environmental
Laboratories, Inc.**
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PWS031 SECONDARY CHEMICAL ANALYSIS 62-550.320

SUBMISSION NUMBER: 9706000057 PONCE DE LEON WTP PLANT EFFLUENT TAP

Parameter ID	Name / MCL mg/L	Sample Number	Analysis Result	Unit	Analysis Method	MDL	Analysis Date	Lab ID
1002	Aluminum (0.2)	84656	0.013	MG/L	200.7	< 0.010	06/11/97	82315
1022	Copper (1)	84656	< 0.010	MG/L	SM3111B	< 0.010	06/12/97	82315
1028	Iron (0.3)	84656	< 0.05	MG/L	SM3111B	< 0.05	06/12/97	82315
1032	Manganese (0.05)	84656	< 0.01	MG/L	SM3111B	< 0.01	06/12/97	82315
1050	Silver (0.1)	84656	< 0.020	MG/L	SM3111B	< 0.020	06/12/97	82315
1095	Zinc (5)	84656	< 0.05	MG/L	SM3111B	< 0.05	06/12/97	82315
1017	Chloride (250)	84657	107	MG/L	SM4500C	< 0.5	06/10/97	82315
1905	Color (15)	84657	< 5	CU	SM2120B	< 5	06/09/97	82315
1025	Fluoride (2.0)	84657	1.48	MG/L	SM4500F	< 0.1	06/10/97	82315
2905	MBAS (0.5)	84657	< 0.05	MG/L	SM5540C	< 0.05	06/09/97	82315
1925	pH (6.5-8.5)	84657	7.21	S.U.	150.1	< 1.0	06/09/97	82315
1055	Sulfate (250)	84657	280	MG/L	375.4	< 1.0	06/10/97	82315
1055	TDS (500)	84657	713	MG/L	SM2540C	< 5	06/11/97	82315
1920	Odor (3)	84658	< 1	OTN	SM2150B	< 1	06/09/97	82315

DHRS # 82315

**Southeastern Environmental
Laboratories, Inc.**
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PWS030 INORGANIC ANALYSIS 62-550.310(1)

SUBMISSION NUMBER: 9706000057 PONCE DE LEON WTP PLANT EFFLUENT TAP

Parameter ID	Name / MCL mg/L	Sample Number	Analysis Result	Unit	Analysis Method	MDL	Analysis Date	Lab ID
1074	Antimony (0.006)	84652	< 0.003	MG/L	SM3113B	< 0.003	06/16/97	82315
1005	Arsenic (0.05)	84652	< 0.005	MG/L	SM3113B	< 0.005	06/10/97	82315
1010	Barium (2)	84652	0.021	MG/L	200.7	< 0.010	06/10/97	82315
1075	Beryllium (0.004)	84652	< 0.002	MG/L	200.7	< 0.002	06/10/97	82315
1015	Cadmium (0.005)	84652	< 0.003	MG/L	200.7	< 0.003	06/10/97	82315
1020	Chromium (0.1)	84652	< 0.010	MG/L	200.7	< 0.010	06/10/97	82315
1030	Lead (0.015)	84652	< 0.001	MG/L	SM3113B	< 0.001	06/17/97	82315
1035	Mercury (0.002)	84652	< 0.0005	MG/L	245.1	< 0.0005	06/17/97	82315
1036	Nickel (0.1)	84652	< 0.05	MG/L	SM3111B	< 0.05	06/12/97	82315
1045	Selenium (0.05)	84652	< 0.002	MG/L	SM3113B	< 0.002	06/11/97	82315
1052	Sodium (160)	84652	38.7	MG/L	SM3111B	< 0.500	06/12/97	82315
1085	Thallium (0.002)	84652	< 0.001	MG/L	200.9	< 0.001	06/16/97	82315
1025	Nitrate (10)	84654	0.05	MG/L	353.2	< 0.05	06/11/97	82315
1025	Fluoride (4)	84653	1.48	MG/L	SM4500F	< 0.1	06/10/97	82315
1041	Nitrite (1)	84653	< 0.02	MG/L	353.2	< 0.02	06/11/97	82315
1024	Cyanide (0.2)	84655	< 0.02	MG/L	SM4500C	< 0.02	06/12/97	82315

Southeastern Environmental
Laboratories, Inc.
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS # 82315

DHRS E-82179

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

System Name and Address: I.D.#: 2554334
PDL GRID SYS: PONCE DE LEON WTP-3154 ST RD A1A S

Type: COMMUNITY

SAMPLE INFORMATION

Sample Date: 06/25/97 Sample Time: 10:00
Sample Location: PONCE DE LEON WTP PLANT EFFLUENT TAP
Sampler Name and Phone:
ROBERT RIGGS LAB TECH/SAMPLER 904-721-4601

Sampler's Signature: Robert Riggs
Check Type(s): DISTRIB ENTRY PT
Comments:

LABORATORY CERTIFICATION INFORMATION

Lab Name: Southeastern Environmental HRS #: 82315 Expiration Date: 6/30/98
Laboratories, Inc.
Address: 80 Industrial Loop North Phone #: (904)269-6176
Building 5
Orange Park, FL 32073
Subcontracted Lab HRS #:

ANALYSIS INFORMATION SUBMISSION NUMBER: 9706000229

Date Sample Received: 06/25/97 Group(s) Analyzed & Results attached for
compliance with 62-550, F.A.C.:

TDS, SO4

I do HEREBY CERTIFY that all attached analytical data are correct.

Signature CRB

Date: 06/27/97

COMPLIANCE INFORMATION (to be completed by State)

Sample Collection Satisfactory: _____ Sample Analysis Satisfactory: _____

Resample Requested for: _____ Reason: _____

Person notified to resample: _____ Date Notified: _____

DEP/HRS Reviewing Official: _____

DHRS # 82315

**Southeastern Environmental
Laboratories, Inc.**
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

Sample Number: 85612 Submission Number: 9706000229 PONCE DE LEON WTP PLANT EFFLUENT TAP

Parameter		Analysis				Analysis	Lab
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>	<u>MDL</u>	<u>Date</u>	<u>ID</u>
1055	Sulfate (250)	303	MG/L	375.4	< 1.0	06/25/97	82315
1930	TDS (500)	668	MG/L	SM2540C	< 5	06/25/97	82315

Southeastern Environmental
Laboratories, Inc.
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS # 82315

DHRS E-82179

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

System Name and Address: I.D.#: 2554334
PONCE DE LEON: PONCE DE LEON WTP, 3154 ST RD A1A S

Type: COMMUNITY

SAMPLE INFORMATION

Sample Date: 07/14/97 Sample Time: 08:45
Sample Location: PONCE DE LEON WTP PLANT EFFLUENT TAP
Sampler Name and Phone:
ROBERT RIGGS, LAB TECH/SAMPLER 904-721-4601

Sampler's Signature: Robert Riggs
Check Type(s): DISTRIB ENTRY PT
Comments:

LABORATORY CERTIFICATION INFORMATION

Lab Name: Southeastern Environmental HRS #: 82315 Expiration Date: 6/30/98
Laboratories, Inc.
Address: 80 Industrial Loop North Phone #: (904)269-6176
Building 5
Orange Park, FL 32073
Subcontracted Lab HRS #:

ANALYSIS INFORMATION SUBMISSION NUMBER: 9707000111

Date Sample Received: 07/14/97 Group(s) Analyzed & Results attached for
compliance with 62-550, F.A.C.:

SO4, TDS

I do HEREBY CERTIFY that all attached analytical data are correct.

Signature Cheryl

Date: 07/23/97

COMPLIANCE INFORMATION (to be completed by State)

Sample Collection Satisfactory: _____ Sample Analysis Satisfactory: _____

Resample Requested for: _____ Reason: _____

Person notified to resample: _____ Date Notified: _____

DEP/HRS Reviewing Official: _____

DHRS # 82315

Southeastern Environmental
Laboratories, Inc.
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

Submission Number: 9707000111 PONCE DE LEON WTP PLANT EFFLUENT TAP

Parameter		Sample	Analysis			Analysis Lab		
<u>ID</u>	<u>Name/(MCL)</u>	<u>Number</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>	<u>MDL</u>	<u>Date</u>	<u>ID</u>
1055	Sulfate (250)	86858	313		375.4		07/21/97	82315
1930	TDS (500)	86858	738		SM2540C		07/16/97	82315



Lawton chiles
Governor

James T. Howell, M.D., M.P.H.
Secretary

PUBLIC DRINKING WATER ANALYSIS REPORT

PUBLIC WATER SYSTEM INFORMATION

Public Water System ID Number: 2554334
Public Water System Name: Ponce de Leon System
Public Water System Type:
 Community Non-Community Non-Transient Non-Communit

LABORATORY CERTIFICATION INFORMATION

Laboratory Certification Number: 13186
Parameter Group Analyzed: Radiological

SAMPLE INFORMATION

Laboratory Sample Number: 4315
Sample Date (MMDDYY): 7/28/97 Sample Time: 11:00
Sample Location: Ponce de Leon WTP Plant Effluent Tap
Sample Type: Check Regular Distribution Composite
 Clearance Maximum Residence Time Plant Tap
 Raw Well Resample
 Special

Sampler Name: R. Riggs
Title: Lab Tech / Sampler
Phone: 904/721-4601

I do HEREBY CERTIFY that all data submitted are correct.

Signature:
Name: Joseph Escalante
Title: Chemist III
Lab: Safe Drinking Water Laboratory
Phone: 407/297-2095, SC 326-2095
Date: 9/2/97

Results to:
Scott Turner
United Water Florida
P. O. Box 8004
Jacksonville, FL 32239
904/721-4643

Copy to:
Lynal DeFalco
Dept. of Environmental Protection
7825 Baymeadows Way, Suite B-200
Jacksonville, FL 32256-7577



Lawton Chiles
Governor

James T. Howell, M.D., M.P.H.
Secretary

RADIOLOGICAL ANALYSIS

Public Water System ID Number: 2554334

Laboratory Sample Number: 4315

<u>Contam. ID</u>	<u>PARAMETER</u>	<u>Analysis Results (pCi/L)</u>	<u>Analysis Error</u>	<u>Detection Limit</u>	<u>Analytical Method</u>	<u>Analysis Date</u>
4000	Gross Alpha	1.2	1.1	0.8	900.0	8/4/97
4020	Radium-226				903.1	
4030	Radium-228				*Alt	
4400	Natural Uranium				908.0	
4100	Gross Beta				900.0	
4102	Tritium				906.0	
4172	Strontium-89				905.0	
4174	Strontium-90				905.0	
4264	Iodine-131				**Alt	
4270	Cesium-134				901.1	
4276	Cesium-137				901.1	
4142	Cobalt-60				901.1	

NOTE: Methods are from "Prescribed Procedures for Measurement of Radioactivity in Drinking Water," US EPA, EPA-600/4-80-032, unless noted.

*Alternate Approved Procedure: Brooks - Blanchard Method

**Alternate Approved Procedure: Radiochemical Determination of I-131 in Milk and Water

HRS # 82315

**Southeastern Environmental
Laboratories, Inc.**
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

System Name and Address: I.D.#: 2554334
PDL GRID SYSTEM: A1A NORTH WTP-2494 STATE RD A1A

Type: COMMUNITY

SAMPLE INFORMATION

Sample Date: 06/09/97 Sample Time: 09:40
Sample Location: A1A NORTH WTP PLANT EFFLUENT TAP
Sampler Name and Phone:
ROBERT RIGGS/LAB TECH/SAMPLER 904-721-4601

Sampler's Signature: Robert Riggs
Check Type(s): DISTRIB ENTRY PT
Comments:

LABORATORY CERTIFICATION INFORMATION

Lab Name: Southeastern Environmental HRS #: 82315 Expiration Date: 6/30/98
Laboratories, Inc.
Address: 80 Industrial Loop North Phone #: (904)269-6176
Building 5
Orange Park, FL 32073
Subcontracted Lab HRS #:

ANALYSIS INFORMATION SUBMISSION NUMBER: 9706000058

Date Sample Received: 06/09/97 Group(s) Analyzed & Results attached for
compliance with 62-550,F.A.C.:

INORGANICS, SECONDARIES

I do HEREBY CERTIFY that all attached analytical data are correct.

Signature Robert Riggs

Date: 08/25/97

COMPLIANCE INFORMATION (to be completed by State)

Sample Collection Satisfactory: _____ Sample Analysis Satisfactory: _____

Resample Requested for: _____ Reason: _____

Person notified to resample: _____ Date Notified: _____

DEP/HRS Reviewing Official: _____

**Southeastern Environmental
Laboratories, Inc.**
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS # 82315

DHRS E-82179

PWS031 SECONDARY CHEMICAL ANALYSIS 62-550.320

SUBMISSION NUMBER: 9706000058 A1A NORTH WTP PLANT EFFLUENT TAP

Parameter ID	Name / MCL mg/L)	Sample Number	Analysis Result	Unit	Analysis Method	MDL	Analysis Date	Lab ID
1002	Aluminum (0.2)	84663	< 0.010	MG/L	200.7	< 0.010	06/11/97	82315
1022	Copper (1)	84663	0.017	MG/L	SM3111B	< 0.010	06/12/97	82315
1028	Iron (0.3)	84663	< 0.05	MG/L	SM3111B	< 0.05	06/12/97	82315
1032	Manganese (0.05)	84663	< 0.01	MG/L	SM3111B	< 0.01	06/12/97	82315
1050	Silver (0.1)	84663	< 0.020	MG/L	SM3111B	< 0.020	06/12/97	82315
1095	Zinc (5)	84663	< 0.05	MG/L	SM3111B	< 0.05	06/12/97	82315
1017	Chloride (250)	84664	55.6	MG/L	SM4500C	< 0.5	06/10/97	82315
1905	Color (15)	84664	< 5	CU	SM2120B	< 5	06/09/97	82315
1025	Fluoride (2.0)	84664	1.21	MG/L	SM4500F	< 0.1	06/10/97	82315
2905	MBAS (0.5)	84664	< 0.05	MG/L	SM5540C	< 0.05	06/09/97	82315
1925	pH (6.5-8.5)	84664	7.34	S.U.	150.1	< 1.0	06/09/97	82315
1055	Sulfate (250)	84664	225	MG/L	375.4	< 1.0	06/10/97	82315
J	TDS (500)	84664	545	MG/L	SM2540C	< 5	06/11/97	82315
1720	Odor (3)	84665	< 1	OTN	SM2150B	< 1	06/09/97	82315

DHRS # 82315

**Southeastern Environmental
Laboratories, Inc.**
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PWS030 INORGANIC ANALYSIS 62-550.310(1)

SUBMISSION NUMBER: 9706000058 A1A NORTH WTP PLANT EFFLUENT TAP

Parameter ID	Name / MCL mg/L)	Sample Number	Analysis Result	Unit	Analysis Method	MDL	Analysis Date	Lab ID
1074	Antimony (0.006)	84659	< 0.003	MG/L	SM3113B	< 0.003	06/16/97	82315
1005	Arsenic (0.05)	84659	< 0.005	MG/L	SM3113B	< 0.005	06/10/97	82315
1010	Barium (2)	84659	0.018	MG/L	200.7	< 0.010	06/10/97	82315
1075	Beryllium (0.004)	84659	< 0.002	MG/L	200.7	< 0.002	06/10/97	82315
1015	Cadmium (0.005)	84659	< 0.003	MG/L	200.7	< 0.003	06/10/97	82315
1020	Chromium (0.1)	84659	< 0.010	MG/L	200.7	< 0.010	06/10/97	82315
1030	Lead (0.015)	84659	< 0.001	MG/L	SM3113B	< 0.001	06/11/97	82315
1035	Mercury (0.002)	84659	< 0.0005	MG/L	245.1	< 0.0005	06/17/97	82315
1036	Nickel (0.1)	84659	< 0.05	MG/L	SM3111B	< 0.05	06/12/97	82315
1045	Selenium (0.05)	84659	< 0.002	MG/L	SM3113B	< 0.002	06/11/97	82315
1052	Sodium (160)	84659	26.4	MG/L	SM3111B	< 0.500	06/12/97	82315
1085	Thallium (0.002)	84659	< 0.001	MG/L	200.9	< 0.001	06/16/97	82315
1025	Nitrate (10)	84661	< 0.05	MG/L	353.2	< 0.05	06/11/97	82315
1025	Fluoride (4)	84660	1.21	MG/L	SM4500F	< 0.1	06/10/97	82315
1041	Nitrite (1)	84660	< 0.02	MG/L	353.2	< 0.02	06/11/97	82315
1024	Cyanide (0.2)	84662	< 0.02	MG/L	SM4500C	< 0.02	06/12/97	82315



Lawton Chiles
Governor

James T. Howell, M.D., M.P.H.
Secretary

PUBLIC DRINKING WATER ANALYSIS REPORT

PUBLIC WATER SYSTEM INFORMATION

Public Water System ID Number: 2554334

Public Water System Name: Ponce de Leon System

Public Water System Type:
 Community Non-Community Non-Transient Non-Community

LABORATORY CERTIFICATION INFORMATION

Laboratory Certification Number: 13186

Parameter Group Analyzed: Radiological

SAMPLE INFORMATION

Laboratory Sample Number: 4313

Sample Date (MMDDYY): 7/28/97 Sample Time: 10:40

Sample Location: A1A North WTP Plant Effluent Tap

Sample Type: Check Regular Distribution Composite
 Clearance Maximum Residence Time Plant Tap
 Raw Well Resample
 Special

Sampler Name: R. Riggs
Title: Lab Tech / Sampler
Phone: 904/721-4601

I do HEREBY CERTIFY that all data submitted are correct.

Signature:

Name: Joseph Escalante

Title: Chemist III

Lab: Safe Drinking Water Laboratory

Phone: 407/297-2095, SC 326-2095

Date: 9/2/97

Results to:

Scott Turner
United Water Florida
P. O. Box 8004
Jacksonville, FL 32239
904/721-4643

Copy to:

Lynal DeFalco
Dept. of Environmental Protection
7825 Baymeadows Way, Suite B-200
Jacksonville, FL 32256-7577



Lawton chiles
Governor

James T. Howell, M.D., M.P.H.
Secretary

RADIOLOGICAL ANALYSIS

Public Water System ID Number: 2554334

Laboratory Sample Number: 4313

<u>Contam. ID</u>	<u>PARAMETER</u>	<u>Analysis Results (pCi/L)</u>	<u>Analysis Error</u>	<u>Detection Limit</u>	<u>Analytical Method</u>	<u>Analysis Date</u>
4000	Gross Alpha	2.9	1.0	0.6	900.0	8/4/97
4020	Radium-226				903.1	
4030	Radium-228				*Alt	
4400	Natural Uranium				908.0	
4100	Gross Beta				900.0	
4102	Tritium				906.0	
4172	Strontium-89				905.0	
4174	Strontium-90				905.0	
4264	Iodine-131				**Alt	
4270	Cesium-134				901.1	
4276	Cesium-137				901.1	
4142	Cobalt-60				901.1	

NOTE: Methods are from "Prescribed Procedures for Measurement of Radioactivity in Drinking Water," US EPA, EPA-600/4-80-032, unless noted.

*Alternate Approved Procedure: Brooks - Blanchard Method

**Alternate Approved Procedure: Radiochemical Determination of I-131 in Milk and Water

DHRS # 82315

Southeastern Environmental
Laboratories, Inc.
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

System Name and Address: I.D.#: 2554334
PDL GRID SYSTEM: A1A SOUTH WTP-2722 STATE RD A1A

Type: COMMUNITY

SAMPLE INFORMATION

Sample Date: 06/09/97 Sample Time: 09:55
Sample Location: A1A SOUTH WTP PLANT EFFLUENT TAP
Sampler Name and Phone:
ROBERT RIGGS/LAB TECH/SAMPLER 904-721-4601

Sampler's Signature: Robert Riggs
Check Type(s): DISTRIB ENTRY PT
Comments:

LABORATORY CERTIFICATION INFORMATION

Lab Name: Southeastern Environmental HRS #: 82315 Expiration Date: 6/30/98
Laboratories, Inc.
Address: 80 Industrial Loop North Phone #: (904)269-6176
Building 5
Orange Park, FL 32073
Subcontracted Lab HRS #:

ANALYSIS INFORMATION SUBMISSION NUMBER: 9706000059
Date Sample Received: 06/09/97 Group(s) Analyzed & Results attached for
compliance with 62-550,F.A.C.:

INORGANICS, SECONDARIES

I do HEREBY CERTIFY that all attached analytical data are correct.

Signature Cheryl

Date: 08/25/97

COMPLIANCE INFORMATION (to be completed by State)

Sample Collection Satisfactory: _____ Sample Analysis Satisfactory: _____

Resample Requested for: _____ Reason: _____

Person notified to resample: _____ Date Notified: _____

DEP/HRS Reviewing Official: _____

DHRS # 82315

**Southeastern Environmental
Laboratories, Inc.**
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PWS031 SECONDARY CHEMICAL ANALYSIS 62-550.320

SUBMISSION NUMBER: 9706000059 A1A SOUTH WTP PLANT EFFLUENT TAP

Parameter ID	Name / MCL mg/L	Sample Number	Analysis Result	Unit	Analysis Method	MDL	Analysis Date	Lab ID
1002	Aluminum (0.2)	84670	< 0.010	MG/L	200.7	< 0.010	06/11/97	82315
1022	Copper (1)	84670	< 0.010	MG/L	SM3111B	< 0.010	06/12/97	82315
1028	Iron (0.3)	84670	0.062	MG/L	SM3111B	< 0.05	06/12/97	82315
1032	Manganese (0.05)	84670	< 0.01	MG/L	SM3111B	< 0.01	06/12/97	82315
1050	Silver (0.1)	84670	< 0.020	MG/L	SM3111B	< 0.020	06/12/97	82315
1095	Zinc (5)	84670	< 0.05	MG/L	SM3111B	< 0.05	06/12/97	82315
1017	Chloride (250)	84671	86.1	MG/L	SM4500C	< 0.5	06/10/97	82315
1905	Color (15)	84671	< 5	CU	SM2120B	< 5	06/09/97	82315
1025	Fluoride (2.0)	84671	1.48	MG/L	SM4500F	< 0.1	06/10/97	82315
2905	MBAS (0.5)	84671	< 0.05	MG/L	SM5540C	< 0.05	06/09/97	82315
1925	pH (6.5-8.5)	84671	7.17	S.U.	150.1	< 1.0	06/09/97	82315
1055	Sulfate (250)	84671	294	MG/L	375.4	< 1.0	06/10/97	82315
1055	TDS (500)	84671	648	MG/L	SM2540C	< 5	06/11/97	82315
1020	Odor (3)	84672	< 1	OTN	SM2150B	< 1	06/09/97	82315

DHRS # 82315

**Southeastern Environmental
Laboratories, Inc.**
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PWS030 INORGANIC ANALYSIS 62-550.310(1)

SUBMISSION NUMBER: 9706000059 A1A SOUTH WTP PLANT EFFLUENT TAP

Parameter ID	Name / MCL mg/L	Sample Number	Analysis Result	Unit	Analysis Method	Analysis MDL	Analysis Date	Lab ID
1074	Antimony (0.006)	84666	< 0.003	MG/L	SM3113B	< 0.003	06/16/97	82315
1005	Arsenic (0.05)	84666	< 0.005	MG/L	SM3113B	< 0.005	06/10/97	82315
1010	Barium (2)	84666	0.021	MG/L	200.7	< 0.010	06/10/97	82315
1075	Beryllium (0.004)	84666	< 0.002	MG/L	200.7	< 0.002	06/10/97	82315
1015	Cadmium (0.005)	84666	< 0.003	MG/L	200.7	< 0.003	06/10/97	82315
1020	Chromium (0.1)	84666	< 0.010	MG/L	200.7	< 0.010	06/10/97	82315
1030	Lead (0.015)	84666	< 0.001	MG/L	SM3113B	< 0.001	06/11/97	82315
1035	Mercury (0.002)	84666	< 0.0005	MG/L	245.1	< 0.0005	06/17/97	82315
1036	Nickel (0.1)	84666	< 0.05	MG/L	SM3111B	< 0.05	06/12/97	82315
1045	Selenium (0.05)	84666	< 0.002	MG/L	SM3113B	< 0.002	06/11/97	82315
1052	Sodium (160)	84666	38.9	MG/L	SM3111B	< 0.500	06/12/97	82315
1085	Thallium (0.002)	84666	< 0.001	MG/L	200.9	< 0.001	06/16/97	82315
J	Nitrate (10)	84668	< 0.05	MG/L	353.2	< 0.05	06/11/97	82315
1025	Fluoride (4)	84667	1.48	MG/L	SM4500F	< 0.1	06/10/97	82315
1041	Nitrite (1)	84667	< 0.02	MG/L	353.2	< 0.02	06/11/97	82315
1024	Cyanide (0.2)	84669	< 0.02	MG/L	SM4500C	< 0.02	06/12/97	82315



Lawton chiles
Governor

James T. Howell, M.D., M.P.H.
Secretary

PUBLIC DRINKING WATER ANALYSIS REPORT

PUBLIC WATER SYSTEM INFORMATION

Public Water System ID Number: 2554334

Public Water System Name: Ponce de Leon System

Public Water System Type:
 Community Non-Community Non-Transient Non-Communit

LABORATORY CERTIFICATION INFORMATION

Laboratory Certification Number: 13186

Parameter Group Analyzed: Radiological

SAMPLE INFORMATION

Laboratory Sample Number: 4314

Sample Date (MMDDYY): 7/28/97 Sample Time: 10:50

Sample Location: A1A South WTP Plant Effluent Tap

Sample Type: Check Regular Distribution Composite
 Clearance Maximum Residence Time Plant Tap
 Raw Well Resample
 Special

Sampler Name: R. Riggs
Title: Lab Tech / Sampler
Phone: 904/721-4601

I do HEREBY CERTIFY that all data submitted are correct.

Signature:

Name: Joseph Escalante

Title: Chemist III

Lab: Safe Drinking Water Laboratory

Phone: 407/297-2095, SC 326-2095

Date: 9/2/97

Results to:
Scott Turner
United Water Florida
P. O. Box 8004
Jacksonville, FL 32239
904/721-4643

Copy to:
Lynal DeFalco
Dept. of Environmental Protection
7825 Baymeadows Way, Suite B-200
Jacksonville, FL 32256-7577



Lawton chiles
Governor

James T. Howell, M.D., M.P.H.
Secretary

RADIOLOGICAL ANALYSIS

Public Water System ID Number: 2554334

Laboratory Sample Number: 4314

<u>Contam. ID</u>	<u>PARAMETER</u>	<u>Analysis Results (pCi/L)</u>	<u>Analysis Error</u>	<u>Detection Limit</u>	<u>Analytical Method</u>	<u>Analysis Date</u>
4000	Gross Alpha	3.6	1.1	0.5	900.0	8/4/97
4020	Radium-226				903.1	
4030	Radium-228				*Alt	
4400	Natural Uranium				908.0	
4100	Gross Beta				900.0	
4102	Tritium				906.0	
4172	Strontium-89				905.0	
4174	Strontium-90				905.0	
4264	Iodine-131				**Alt	
4270	Cesium-134				901.1	
4276	Cesium-137				901.1	
4142	Cobalt-60				901.1	

NOTE: Methods are from "Prescribed Procedures for Measurement of Radioactivity in Drinking Water," US EPA, EPA-600/4-80-032, unless noted.

*Alternate Approved Procedure: Brooks - Blanchard Method

**Alternate Approved Procedure: Radiochemical Determination of I-131 in Milk and Water

DHRS # 82315

Southeastern Environmental
Laboratories, Inc.
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

System Name and Address: PONCE DE LEON GRID SYSTEM: PONCE DE LEON WTP
I.D.#: 2554334

Type: COMMUNITY

SAMPLE INFORMATION

Sample Date: 04/28/97 Sample Time: 12:05
Sample Location: PONCE DE LEON WTP PLANT EFFLUENT TAP
Sampler Name and Phone:
DAVID TEMPLE, LAB TECH/SAMPLER 904-721-4601

Sampler's Signature: David Temple
Check Type(s): DISTRIB ENTRY PT
Comments:

LABORATORY CERTIFICATION INFORMATION

Lab Name: Southeastern Environmental Laboratories, Inc. HRS #: 82315 Expiration Date: 6/30/97
Address: 80 Industrial Loop North Building 5 Orange Park, FL 32073 Phone #: (904)269-6176
Subcontracted Lab HRS #:

ANALYSIS INFORMATION SUBMISSION NUMBER: 9704000265
Date Sample Received: 04/28/97 Group(s) Analyzed & Results attached for compliance with 62-550, F.A.C.:

VOC

I do HEREBY CERTIFY that all attached analytical data are correct.

Signature Richard S. Murphy
Date: 05/13/97

COMPLIANCE INFORMATION (to be completed by State)

Sample Collection Satisfactory: _____ Sample Analysis Satisfactory: _____

Resample Requested for: _____ Reason: _____

Person notified to resample: _____ Date Notified: _____

DEP/HRS Reviewing Official: _____

DHRS # 82315

**Southeastern Environmental
Laboratories, Inc.**
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PWS028 VOLATILE ORGANIC ANALYSIS 62-550.310(2)(b)

Sample Number: 82227 Submission Number: 9704000265 PONCE DE LEON WTP PLANT EFFLUENT TAP

Parameter		Analysis				Analysis	Lab
ID	Name/(MCL)	Result	Unit	Method	MDL	Date	ID
2969	Para-dichlorobenzene	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2378	1,2,4-Trichlorobenzene	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2380	Cis-1,2-dichloroethylene	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2955	Xylenes (o)	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
--	Xylenes (m,p)	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2964	Dichloromethane	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2968	O-dichlorobenzene	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2976	Vinyl Chloride	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2977	1,1-Dichloroethylene	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2979	Trans-1,2-dichloroethylene	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2980	1,2-dichloroethane	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2981	1,1,1-trichloroethane	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2982	Carbon Tetrachloride	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
83	1,2-dichloropropane	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2984	Trichloroethylene	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2985	1,1,2-trichloroethane	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2987	Tetrachloroethylene	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2989	Monochlorobenzene	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2990	Benzene	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2991	Toluene	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2992	Ethylbenzene	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315
2996	Styrene	< 0.0005	MG/L	524.2	< 0.0005	05/01/97	82315

DHRS # 82315

Southeastern Environmental
Laboratories, Inc.
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

System Name and Address: I.D.#: 2554334
PONCE DE LEON GRID SYS:A1A S WTP-2722 STATE RD A1A

Type: COMMUNITY

SAMPLE INFORMATION

Sample Date: 06/25/97 Sample Time: 09:45
Sample Location: A1A SOUTH WTP PLANT EFFLUENT TAP
Sampler Name and Phone:
ROBERT RIGGS LAB TECH/SAMPLER 904-721-4601

Sampler's Signature: Robert Riggs
Check Type(s): DISTRIB ENTRY PT
Comments:

LABORATORY CERTIFICATION INFORMATION

Lab Name: Southeastern Environmental HRS #: 82315 Expiration Date: 6/30/98
Laboratories, Inc.
Address: 80 Industrial Loop North Phone #: (904)269-6176
Building 5
Orange Park, FL 32073
Subcontracted Lab HRS #:

ANALYSIS INFORMATION SUBMISSION NUMBER: 9706000228

Date Sample Received: 06/25/97 Group(s) Analyzed & Results attached for
compliance with 62-550, F.A.C.:

TDS, SO4

I do HEREBY CERTIFY that all attached analytical data are correct.

Signature Ch. J. A.

Date: 06/27/97

COMPLIANCE INFORMATION (to be completed by State)

Sample Collection Satisfactory: _____ Sample Analysis Satisfactory: _____

Resample Requested for: _____ Reason: _____

Person notified to resample: _____ Date Notified: _____

DEP/HRS Reviewing Official: _____

DHRS # 82315

**Southeastern Environmental
Laboratories, Inc.**
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

Sample Number: 85611 Submission Number: 9706000228 A1A SOUTH WTP PLANT EFFLUENT TAP

Parameter		Analysis				Analysis	Lab
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>	<u>MDL</u>	<u>Date</u>	<u>ID</u>
1055	Sulfate (250)	369	MG/L	375.4	< 1.0	06/25/97	82315
1930	TDS (500)	661	MG/L	SM2540C	< 5	06/25/97	82315

DHRS # 82315

Southeastern Environmental
Laboratories, Inc.
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

System Name and Address: I.D.#: 2554334
PONCE DE LEON:A1A S WTP, 2722 STATE ROAD A1A

Type: COMMUNITY

SAMPLE INFORMATION

Sample Date: 07/14/97 Sample Time: 08:30
Sample Location: A1A SOUTH WTP PLANT EFFLUENT TAP
Sampler Name and Phone:
ROBERT RIGGS, LAB TECH/SAMPLER 904-721-4601

Sampler's Signature: Robert Riggs
Check Type(s): DISTRIB ENTRY PT
Comments:

LABORATORY CERTIFICATION INFORMATION

Lab Name: Southeastern Environmental HRS #: 82315 Expiration Date: 6/30/98
Laboratories, Inc.
Address: 80 Industrial Loop North Phone #: (904)269-6176
Building 5
Orange Park, FL 32073
Subcontracted Lab HRS #:

ANALYSIS INFORMATION SUBMISSION NUMBER: 9707000110

Date Sample Received: 07/14/97 Group(s) Analyzed & Results attached for
compliance with 62-550,F.A.C.:

SO4, TDS

I do HEREBY CERTIFY that all attached analytical data are correct.

Signature Chb JBL

Date: 07/23/97

COMPLIANCE INFORMATION (to be completed by State)

Sample Collection Satisfactory: _____ Sample Analysis Satisfactory: _____

Resample Requested for: _____ Reason: _____

Person notified to resample: _____ Date Notified: _____

DEP/HRS Reviewing Official: _____

DHRS # 82315

**Southeastern Environmental
Laboratories, Inc.**
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

Submission Number: 9707000110 A1A SOUTH WTP PLANT EFFLUENT TAP

Parameter		Sample	Analysis		Analysis Lab			
<u>ID</u>	<u>Name/(MCL)</u>	<u>Number</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>	<u>MDL</u>	<u>Date</u>	<u>ID</u>
1055	Sulfate (250)	86857	327		375.4		07/21/97	82315
1930	TDS (500)	86857	740		SM2540C		07/16/97	82315

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: United Water Florida
Project: Drinking Water
Sample Matrix: Drinking Water
HRS #: 82483

Service Request: J9701422
Date Collected: 7/14/97
Date Received: 7/14/97
Date Extracted: NA
Analyst: JWA

Inorganic Analysis
62-550.310(1)
(PWS030)
Units: mg/L (ppm)

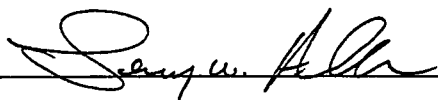
(Split Sample)

A1AS WTP
Sample Name: Effluent
Lab Code: J9701422-02
Date Analyzed: 7/16,17/97

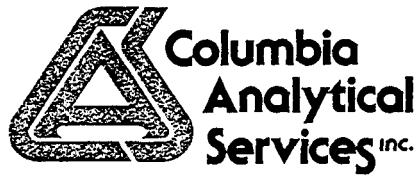
Analyte	Parameter ID	EPA Method	MDL	MRL	MCL	Analysis Result
Sulfate	1055	300.0	0.2	0.2	250	280
Solids, Total Dissolved	1930	160.1	10	10	500	680

U Not detected at or above the MRL.

Approved By: _____



Date: 7/17/97



July 17, 1997

Service Request No. J9701422

Scott Turner
United Water Florida
P.O. Box 8004
Jacksonville, FL 32239

Certification Numbers:

Florida DEP: 930298G
Florida HRS: E82502; 82483
Massachusetts: M-FL937
New Hampshire: 294294-A; 294297-B
North Carolina: 527
South Carolina: 96021001

RE: Project No.: A1AS WTP
Project Name: Drinking Water

Dear Scott Turner:

Enclosed are the results of the samples(s) submitted to our laboratory on July 14, 1997. For your reference, these analyses have been assigned our service request number: J9701422.

All analyses were performed according to our laboratory's quality assurance program. All results are intended to be considered in the entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the samples analyzed.

Please call if you have any questions.

Respectfully submitted,

Columbia Analytical Services, Inc.

A handwritten signature in black ink, appearing to read "Jerry Allen", is written over a faint, larger version of the signature.

Jerry Allen
Project Chemist

JA/jm

**Ponce de Leon System
Sulfate, TDS Samples**

	Ponce de Leon WTF		(split sample)	
	<u>TDS</u>	<u>Sulfate</u>	<u>TDS</u>	<u>Sulfate</u>
6/9/97	713	280		
6/25/97	668	303		
7/14/97	<u>738</u>	<u>313</u>	660	300
average	706	299		

	A1A South WTF		(split sample)	
	<u>TDS</u>	<u>Sulfate</u>	<u>TDS</u>	<u>Sulfate</u>
6/9/97	648	294		
6/25/97	661	369		
7/14/97	<u>740</u>	<u>327</u>	680	280
average	683	330		

DHRS # 82315

Southeastern Environmental
Laboratories, Inc.
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

System Name and Address: PONTE VEDRA SYS:CORONA RD WTP, 2 CORONA RD
I.D.#: 2160908

Type: COMMUNITY

SAMPLE INFORMATION

Sample Date: 04/21/97 Sample Time: 11:30
Sample Location: CORONA RD WTP PLANT EFF TAP
Sampler Name and Phone:
DAVID TEMPLE, LAB TECH/SAMPLER 904-721-4601

Sampler's Signature: David Temple
Check Type(s): DISTRIB ENTRY PT
Comments:

LABORATORY CERTIFICATION INFORMATION

Lab Name: Southeastern Environmental Laboratories, Inc. HRS #: 82315 Expiration Date: 6/30/97
Address: 80 Industrial Loop North Building 5 Orange Park, FL 32073 Phone #: (904)269-6176
Subcontracted Lab HRS #:

ANALYSIS INFORMATION SUBMISSION NUMBER: 9704000194

Date Sample Received: 04/21/97 Group(s) Analyzed & Results attached for compliance with 62-550,F.A.C.:

NO3,NO2

I do HEREBY CERTIFY that all attached analytical data are correct.

Signature Cheryl

Date: 04/24/97

COMPLIANCE INFORMATION (to be completed by State)

Sample Collection Satisfactory: _____ Sample Analysis Satisfactory: _____

Resample Requested for: _____ Reason: _____

Person notified to resample: _____ Date Notified: _____

DEP/HRS Reviewing Official: _____

DHRS # 82315

**Southeastern Environmental
Laboratories, Inc.**
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

Sample Number: 81883 Submission Number: 9704000194 CORONA RD WTP PLANT EFF TAP

Parameter		Analysis				Analysis	Lab
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>	<u>MDL</u>	<u>Date</u>	<u>ID</u>
1040	Nitrate (10)	< 0.05	MG/L	353.2	< 0.05	04/23/97	82315

DHRS # 82315

**Southeastern Environmental
Laboratories, Inc.**
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

Sample Number: 81884 Submission Number: 9704000194 CORONA RD WTP PLANT EFF TAP

Parameter		Analysis				Analysis	Lab
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>	<u>MDL</u>	<u>Date</u>	<u>ID</u>
1041	Nitrite (1)	< 0.02	MG/L	353.2	< 0.02	04/23/97	82315

**Southeastern Environmental
Laboratories, Inc.**

80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS # 82315

DHRS E-82179

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

System Name and Address: PONTE VEDRA SYSTEM 2 CORONA RD I.D.#: 2550908

Type: COMMUNITY

SAMPLE INFORMATION

Sample Date: 05/16/96 Sample Time: 10:35
Sample Location: CORONA RD WTP PLANT EFFLUENT TAP
Sampler Name and Phone:
ROBERT RIGGS

Sampler's Signature: Robert Riggs
Check Type(s): DISTRIB ENTRY PT
Comments:

LABORATORY CERTIFICATION INFORMATION

b Name: Southeastern Environmental Laboratories, Inc. HRS #: 82315 Expiration Date: 6/30/96
Address: 80 Industrial Loop North Building 5 Phone #: (904)269-6176
Orange Park, FL 32073
Subcontracted Lab HRS #:

ANALYSIS INFORMATION SUBMISSION NUMBER: 9605000146
Date Sample Received: 05/16/96 Group(s) Analyzed & Results attached for compliance with 62-550, F.A.C.:

PRIM INORGS, SECONDARIES

I, Pamela L. Rivers, do HEREBY CERTIFY that all attached analytical data are correct.

Signature Pamela L. Rivers

Title: Laboratory Manager Date: 05/31/96

COMPLIANCE INFORMATION (to be completed by State)

Sample Collection Satisfactory: _____ Sample Analysis Satisfactory: _____

Resample Requested for: _____ Reason: _____

Person notified to resample: _____ Date Notified: _____

DEP/HRS Reviewing Official: _____

DHRS # 82315

Southeastern Environmental
Laboratories, Inc.
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PWS030 INORGANIC ANALYSIS 62-550.310(1) NUTRIENTS

Sample Number: 60502 Submission Number: 9605000146

Parameter		Analysis				Analysis	Lab
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>	<u>MDL</u>	<u>Date</u>	<u>ID</u>
1040	Nitrate (10)	< 0.05	MG/L	353.2	< 0.05	05/17/96	82315

DHRS # 82315

Southeastern Environmental
Laboratories, Inc.
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PWS030 INORGANIC ANALYSIS 62-550.310(1) MINERALS

Sample Number: 60496 Submission Number: 9605000146

Parameter		Analysis			Analysis	Lab	
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>	<u>MDL</u>	<u>Date</u>	<u>ID</u>
1025	Fluoride (4)	1.01	MG/L	340.1	< 0.1	05/20/96	82315
1041	Nitrite (1)	< 0.05	MG/L	353.2	< 0.05	05/17/96	82315

DHRS # 82315

Southeastern Environmental
Laboratories, Inc.
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PWS030 INORGANIC ANALYSIS 62-550.310(1) METALS

Sample Number: 60497 Submission Number: 9605000146

Parameter		Analysis			Analysis	Lab	
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>	<u>MDL</u>	<u>Date</u>	<u>ID</u>
1074	Antimony (0.006)	< 0.003	MG/L	204.2	< 0.003	05/20/96	82315
1005	Arsenic (0.05)	< 0.025	MG/L	206.2	< 0.025	05/16/96	82315
1010	Barium (2)	< 0.1	MG/L	200.7	< 0.1	05/16/96	82315
1075	Beryllium (0.004)	< 0.002	MG/L	200.7	< 0.002	05/23/96	82315
1015	Cadmium (0.005)	< 0.003	MG/L	200.7	< 0.003	05/23/96	82315
1020	Chromium (0.1)	< 0.05	MG/L	200.7	< 0.05	05/16/96	82315
1030	Lead (0.015)	< 0.005	MG/L	239.2	< 0.005	05/20/96	82315
1035	Mercury (0.002)	< 0.001	MG/L	245.1	< 0.001	05/24/96	82315
1036	Nickel (0.1)	< 0.05	MG/L	249.1	< 0.05	05/29/96	82315
1045	Selenium (0.05)	< 0.025	MG/L	270.2	< 0.025	05/16/96	82315
1052	Sodium (160)	19.6	MG/L	273.1	< 1.0	05/24/96	82315
1085	Thallium (0.002)	< 0.001	MG/L	200.9	< 0.001	05/24/96	82315

DHRS # 82315

Southeastern Environmental
Laboratories, Inc.
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PWS030 INORGANIC ANALYSIS 62-550.310(1) CYANIDE

Sample Number: 60498 Submission Number: 9605000146

Parameter		Analysis				Analysis	Lab
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>	<u>MDL</u>	<u>Date</u>	<u>ID</u>
1024	Cyanide (0.2)	< 0.02	MG/L	335.3	< 0.02	05/21/96	82315

DHRS # 82315

**Southeastern Environmental
Laboratories, Inc.**
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PWS031 SECONDARY CHEMICAL ANALYSIS 62-550.320 ODOR

Sample Number: 60499 Submission Number: 9605000146

Parameter		Analysis				Analysis	Lab
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>	<u>MDL</u>	<u>Date</u>	<u>ID</u>
1920	Odor (3 threshold odor number)	< 1	OTN	140.1	< 1	05/16/96	82315

DHRS # 82315

**Southeastern Environmental
Laboratories, Inc.**
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PWS031 SECONDARY CHEMICAL ANALYSIS 62-550.320 MET

Sample Number: 60500 Submission Number: 9605000146

Parameter		Analysis				Analysis	Lab
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>	<u>MDL</u>	<u>Date</u>	<u>ID</u>
1002	Aluminum (0.2)	< 0.1	MG/L	200.7	< 0.1	05/17/96	82315
1022	Copper (1)	< 0.05	MG/L	220.1	< 0.05	05/28/96	82315
1028	Iron (0.3)	< 0.05	MG/L	236.1	< 0.05	05/24/96	82315
1032	Manganese (0.05)	< 0.01	MG/L	243.1	< 0.01	05/24/96	82315
1050	Silver (0.1)	< 0.05	MG/L	272.1	< 0.05	05/24/96	82315
1095	Zinc (5)	< 0.05	MG/L	289.1	< 0.05	05/29/96	82315

DHRS # 82315

**Southeastern Environmental
Laboratories, Inc.**
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PWS031 SECONDARY CHEMICAL ANALYSIS 62-550.320 MIN

Sample Number: 60501 Submission Number: 9605000146

Parameter		Analysis				Analysis	Lab
ID	Name/(MCL)	Result	Unit	Method	MDL	Date	ID
1017	Chloride (250)	38.8	MG/L	325.3	< 1.0	05/20/96	82315
1905	Color (15 color units)	< 5	CU	110.2	< 5	05/16/96	82315
1025	Fluoride (2.0)	1.01	MG/L	340.1	< 0.1	05/20/96	82315
2905	Foaming Agents (0.5)	< 0.02	MG/L	425.1	< 0.02	05/17/96	82315
1925	pH (6.5-8.5)	7.06	S.U.	150.1	< 1.0	05/16/96	82315
1055	Sulfate (250)	142	MG/L	375.4	< 1.0	05/20/96	82315
1930	TDS (500)	447	MG/L	160.1	< 10	05/20/96	82315

Southeastern Environmental
Laboratories, Inc.
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS # 82315

DHRS E-82179

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

System Name and Address: PONTE VEDRA SYSTEM/CORONA RD WTP 2 CORONA RD I.D.#: 2550908

Type: COMMUNITY

SAMPLE INFORMATION

Sample Date: 11/06/96 Sample Time: 09:30
Sample Location: CORONA RD WTP PLANT EFFLUENT TAP
Sampler Name and Phone:
ROBERT RIGGS

Sampler's Signature: Robert Riggs
Check Type(s): DISTRIB ENTRY PT/COMPOSITE
Comments: CERT # 84269

LABORATORY CERTIFICATION INFORMATION

Lab Name: Southeastern Environmental Laboratories, Inc. HRS #: 82315 Expiration Date: 6/30/97
Address: 80 Industrial Loop North Building 5 Phone #: (904)269-6176
Orange Park, FL 32073
Subcontracted Lab HRS #:

ANALYSIS INFORMATION SUBMISSION NUMBER: 9611000058
Date Sample Received: 11/06/96 Group(s) Analyzed & Results attached for compliance with 62-550,F.A.C.:

PEST/PCB

I, Pamela L. Rivers, do HEREBY CERTIFY that all attached analytical data are correct.

Signature: Pamela L. Rivers

Title: Laboratory Manager Date: 12/02/96

COMPLIANCE INFORMATION (to be completed by State)

Sample Collection Satisfactory: _____ Sample Analysis Satisfactory: _____

Resample Requested for: _____ Reason: _____

Person notified to resample: _____ Date Notified: _____

DEP/HRS Reviewing Official: _____

DHRS # 82315

**Southeastern Environmental
Laboratories, Inc.**
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PWS029 PEST & PCB CHEM ANALYSIS 62-550.310(2)(c)

Sample Number: 70836 Submission Number: 9611000058

Parameter		Analysis				Analysis	Lab
ID	Name/(MCL)	Result	Unit	Method	MDL	Date	ID
2931	Dibromochloropropane (.2)	< 0.005	UG/L	504	< 0.005	11/07/96	84269
2946	Ethylene dibromide (.02)	< 0.005	UG/L	504	< 0.005	11/07/96	84269
2042	Hexachlorocyclopentadiene (50)	< 0.1	UG/L	505	< 0.1	11/19/96	84269
2035	Di(2-ethylhexyl)adipate (400)	< 5	UG/L	525	< 5	11/08/96	84269
2039	Di(2-ethylhexyl)phthalate (6)	< 5	UG/L	525	< 5	11/08/96	84269
2037	Simazine (4)	< 0.2	UG/L	507	< 0.2	11/08/96	84269
2050	Atrazine (3)	< 0.2	UG/L	507	< 0.2	11/08/96	84269
2051	Alachlor (2)	< 1	UG/L	507	< 1	11/08/96	84269
2005	Endrin (2)	< 0.1	UG/L	508	< 0.1	11/08/96	84269
2010	Lindane (.2)	< 0.1	UG/L	508	< 0.1	11/08/96	84269
2015	Methoxychlor (40)	< 0.2	UG/L	508	< 0.2	11/08/96	84269
2020	Toxaphene (3)	< 2	UG/L	508	< 2	11/08/96	84269
2065	Heptachlor (.4)	< 0.1	UG/L	508	< 0.1	11/08/96	84269
2067	Heptachlor Epoxide (.2)	< 0.1	UG/L	508	< 0.1	11/08/96	84269
2274	Hexachlorobenzene (1)	< 0.1	UG/L	508	< 0.1	11/08/96	84269
2383	PCB's (.5)	< 0.5	UG/L	508	< 0.5	11/08/96	84269
2959	Chlordane (2)	< 2	UG/L	508	< 2	11/08/96	84269
2031	Dalapon (200)	< 1	UG/L	515.1	< 1	11/07/96	84269
2040	Picloram (500)	< 0.2	UG/L	515.1	< 0.2	11/07/96	84269
2041	Dinoseb (7)	< 0.2	UG/L	515.1	< 0.2	11/07/96	84269
2105	2,4-D (70)	< 0.5	UG/L	515.1	< 0.5	11/07/96	84269
2110	2,4,5-TP (Silvex) (50)	< 0.05	UG/L	515.1	< 0.05	11/07/96	84269
2326	Pentachlorophenol (1)	< 0.05	UG/L	515.1	< 0.05	11/07/96	84269
2036	Oxamyl (Vydate) (200)	< 1	UG/L	531.1	< 1	11/11/96	84269
2046	Carbofuran (40)	< 1	UG/L	531.1	< 1	11/11/96	84269
2034	Glyphosate (700)	< 10	UG/L	547	< 10	11/08/96	84269
2033	Endothall (100)	< 20	UG/L	548	< 20	11/13/96	84269
2032	Diquat (20)	< 4	UG/L	549.1	< 4	11/07/96	84269
2306	Benzo(a)pyrene (.2)	< 0.01	UG/L	550	< 0.01	11/08/96	84269

SOUTHERN ANALYTICAL LABORATORIES, INC.

110 BAYVIEW BOULEVARD, OLDSMAR, FLORIDA 34677

813-855-1844

Southeastern Environmental Laboratories, Inc.
80 Industrial Loop North, Bldg. 5
Orange Park, Florida 32073

November 26, 1996
Project No. 09899
Page 1 of 4

LABORATORY REPORT


Project Description: Analysis of Water Samples

Sample Description: 01 - Water, Composite of Nos. 70836, 70840, sampled 11/6/96
02 - Water, Composite of Nos. 70838, 70839, sampled 11/6/96
03 - Water, 70837, sampled 11/6/96

Date Received: 11/7/96, 0915

- DEP Report Forms Attached

FHRS Environmental Lab No. E84129
FHRS Drinking Water Lab No. 84269
Comprehensive QA Plan No. 870317


Francis I. Daniels
Laboratory Director

Composited SEL Nos. 70836, 70840

PESTICIDE & PCB CHEMICAL ANALYSIS
 62-550.310(2) (c)
 (PWS029)

<u>Parameter ID</u>	<u>NAME (MCL ug/l)</u>	<u>Sample Number</u>	<u>Analysis Result (ug/l)</u>	<u>Analyt. Method</u>	<u>Analysis Date</u>	<u>MDL</u>	<u>Lab ID</u>
2005	Endrin (2)	09899-01	0.01 U	EPA 508	11/8/96	0.01	84269
2010	Lindane (.2)	09899-01	0.01 U	EPA 508	11/8/96	0.01	84269
2015	Methoxychlor (40)	09899-01	0.02 U	EPA 508	11/8/96	0.02	84269
2020	Toxaphene (3)	09899-01	0.2 U	EPA 508	11/8/96	0.2	84269
2031	Dalapon (200)	09899-01	1 U	EPA 515.1	11/7/96	1	84269
2032	Diquat (20)	09899-01	1 U	EPA 549.1	11/7/96	1	84269
2033	Endothall (100)	09899-01	10 U	EPA 548.1	11/13/96	10	84269
2034	Glyphosate (700)	09899-01	10 U	EPA 547	11/8/96	10	84269
2035	Di(2-ethylhexyl)adipate (400)	09899-01	1 U	EPA 506	11/8/96	1	84269
2036	Oxamyl (Vydate) (200)	09899-01	0.5 U	EPA 531.1	11/11/96	0.5	84269
2037	Simazine (4)	09899-01	0.1 U	EPA 507	11/8/96	0.1	84269
2039	Di(2-ethylhexyl)phthalate (6)	09899-01	1 U	EPA 506	11/8/96	1	84269
2040	Picloram (500)	09899-01	0.2 U	EPA 515.1	11/7/96	0.2	84269
2041	Dinoseb (7)	09899-01	0.2 U	EPA 515.1	11/7/96	0.2	84269
2042	Hexachlorocyclopentadiene (50)	09899-01	0.1 U	EPA 505	11/19/96	0.1	84269
2046	Carbofuran (40)	09899-01	0.5 U	EPA 531.1	11/11/96	0.5	84269
2050	Atrazine (3)	09899-01	0.1 U	EPA 507	11/8/96	0.1	84269
2051	Alachlor (2)	09899-01	0.3 U	EPA 507	11/8/96	0.3	84269
2065	Heptachlor (.4)	09899-01	0.01 U	EPA 508	11/8/96	0.01	84269
2067	Heptachlor epoxide (.2)	09899-01	0.01 U	EPA 508	11/8/96	0.01	84269
2105	2,4-D (70)	09899-01	0.5 U	EPA 515.1	11/7/96	0.5	84269
2110	2,4,5-TP (Silvex) (50)	09899-01	0.05 U	EPA 515.1	11/7/96	0.05	84269
2274	Hexachlorobenzene (1)	09899-01	0.01 U	EPA 508	11/8/96	0.01	84269
2306	Benzo(a)pyrene (.2)	09899-01	0.01 U	EPA 550	11/8/96	0.01	84269
2326	Pentachlorophenol (1)	09899-01	0.05 U	EPA 515.1	11/7/96	0.05	84269
2383	PCBs (.5)	09899-01	0.05 U	EPA 508	11/8/96	0.05	84269
2931	Dibromochloropropane (.2)	09899-01	0.005 U	EPA 504.1	11/7/96	0.005	84269
2946	Ethylene dibromide (.02)	09899-01	0.005 U	EPA 504.1	11/7/96	0.005	84269
2959	Chlordane (2)	09899-01	0.05 U	EPA 508	11/8/96	0.05	84269

U - Analyte was not detected; indicated concentration is method detection limit.



STATE OF FLORIDA
DEPARTMENT OF HEALTH AND REHABILITATIVE SERVICES

PUBLIC DRINKING WATER ANALYSIS REPORT

PUBLIC WATER SYSTEM INFORMATION

Public Water System ID Number: 2550908
 Public Water System Name: Ponte Vedra System
 Public Water System Type:
 Community Non-Community Non-Transient Non-Communit

LABORATORY CERTIFICATION INFORMATION

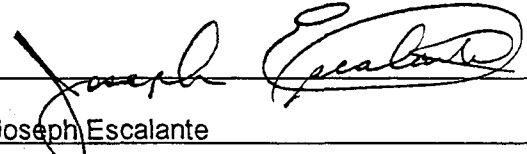
Laboratory Certification Number: 13186
 Parameter Group Analyzed: Radiological

SAMPLE INFORMATION

Laboratory Sample Number: 4291
 Sample Date (MMDDYY): 5/29/96 Sample Time: 12:30
 Sample Location: Corona Road WTP Plant Effluent Tap
 Sample Type: Check Regular Distribution Composite
 Clearance Maximum Residence Time Plant Tap
 Raw Well Resample
 Special

Sampler Name: D. Temple
 Title: Lab Tech I / Sampler
 Phone: 904/721-4643

I do HEREBY CERTIFY that all data submitted are correct.

Signature: 
 Name: Joseph Escalante
 Title: Chemist III
 Lab: Safe Drinking Water Laboratory
 Phone: 407/297-2095, SC 326-2095
 Date: 6/26/96

Results to:
Scott Turner
United Water Florida
P. O. Box 8004
Jacksonville, FL 32239
904/721-4643

Copy to:
Lynal DeFalco
Dept. of Environmental Protection
7825 Baymeadows Way, Suite B-200
Jacksonville, FL 32256-7577



STATE OF FLORIDA
DEPARTMENT OF HEALTH AND REHABILITATIVE SERVICES

RADIOLOGICAL ANALYSIS

Public Water System ID Number: 2550908

Laboratory Sample Number: 4291

<u>Contam. ID</u>	<u>PARAMETER</u>	<u>Analysis Results (pCi/L)</u>	<u>Analysis Error</u>	<u>Detection Limit</u>	<u>Analytical Method</u>	<u>Analysis Date</u>
4000	Gross Alpha	0.8	1.3	0.9	900.0	6/4/96
4020	Radium-226				903.1	
4030	Radium-228				*Alt	
4400	Natural Uranium				908.0	
4100	Gross Beta				900.0	
4102	Tritium				906.0	
4172	Strontium-89				905.0	
4174	Strontium-90				905.0	
4264	Iodine-131				**Alt	
4270	Cesium-134				901.1	
4276	Cesium-137				901.1	
4142	Cobalt-60				901.1	

NOTE: Methods are from "Prescribed Procedures for Measurement of Radioactivity in Drinking Water," US EPA, EPA-600/4-80-032, unless noted.

*Alternate Approved Procedure: Brooks - Blanchard Method

**Alternate Approved Procedure: Radiochemical Determination of I-131 in Milk and Water

Southeastern Environmental
Laboratories, Inc.
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS # 82315

DHRS E-82179

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

System Name and Address: I.D.#: 2550908
PONTE VEDRA SYS:PONTE VEDRA N WTP, 71 STATE RD A1A

Type: COMMUNITY

SAMPLE INFORMATION

Sample Date: 04/21/97 Sample Time: 11:45
Sample Location: PONTE VEDRA N WTP PLANT EFF TAP
Sampler Name and Phone:
DAVID TEMPLE, LAB TECH/SAMPLER 904-721-4601

Sampler's Signature: David Temple
Check Type(s): DISTRIB ENTRY PT
Comments:

LABORATORY CERTIFICATION INFORMATION

Lab Name: Southeastern Environmental HRS #: 82315 Expiration Date: 6/30/97
Laboratories, Inc.
Address: 80 Industrial Loop North Phone #: (904)269-6176
Building 5
Orange Park, FL 32073
Subcontracted Lab HRS #:

ANALYSIS INFORMATION SUBMISSION NUMBER: 9704000195
Date Sample Received: 04/21/97 Group(s) Analyzed & Results attached for
compliance with 62-550,F.A.C.:

NO3,NO2

I do HEREBY CERTIFY that all attached analytical data are correct.

Signature Ch 62 B/L

Date: 04/24/97

COMPLIANCE INFORMATION (to be completed by State)

Sample Collection Satisfactory: _____ Sample Analysis Satisfactory: _____

Resample Requested for: _____ Reason: _____

Person notified to resample: _____ Date Notified: _____

DEP/HRS Reviewing Official: _____

DHRS # 82315

Southeastern Environmental
Laboratories, Inc.
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

Sample Number: 81885 Submission Number: 9704000195 PONTE VEDRA N WTP PLANT EFF TAP

Parameter		Analysis			Analysis	Lab	
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>	<u>MDL</u>	<u>Date</u>	<u>ID</u>
1040	Nitrate (10)	< 0.05	MG/L	353.2	< 0.05	04/23/97	82315

DHRS # 82315

**Southeastern Environmental
Laboratories, Inc.**
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

Sample Number: 81886 Submission Number: 9704000195 PONTE VEDRA N WTP PLANT EFF TAP

Parameter		Analysis			Analysis	Lab	
ID	Name/(MCL)	Result	Unit	Method	MDL	Date	ID
1041	Nitrite (1)	< 0.02	MG/L	353.2	< 0.02	04/23/97	82315

DHRS # 82315

Southeastern Environmental
Laboratories, Inc.
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

System Name and Address: PONTE VEDRA SYSTEM 71 STATE RD A1A
I.D.#: 2550908

Type: COMMUNITY

SAMPLE INFORMATION

Sample Date: 05/16/96 Sample Time: 11:00
Sample Location: PONTE VEDRA NORTH WTP PLANT EFFLUENT TAP
Sampler Name and Phone:
ROBERT RIGGS

Sampler's Signature: Robert Riggs
Check Type(s): DISTRIB ENTRY PT
Comments:

LABORATORY CERTIFICATION INFORMATION

Lab Name: Southeastern Environmental Laboratories, Inc. HRS #: 82315 Expiration Date: 6/30/96
Address: 80 Industrial Loop North Building 5 Phone #: (904)269-6176
Orange Park, FL 32073
Subcontracted Lab HRS #:

ANALYSIS INFORMATION SUBMISSION NUMBER: 9605000145
Date Sample Received: 05/16/96 Group(s) Analyzed & Results attached for compliance with 62-550,F.A.C.:

PRIM INORGS, SECONDARIES

I, Pamela L. Rivers, do HEREBY CERTIFY that all attached analytical data are correct.

Signature: Pamela L. Rivers

Title: Laboratory Manager Date: 05/31/96

COMPLIANCE INFORMATION (to be completed by State)

Sample Collection Satisfactory: _____ Sample Analysis Satisfactory: _____

Resample Requested for: _____ Reason: _____

Person notified to resample: _____ Date Notified: _____

DEP/HRS Reviewing Official: _____

DHRS # 82315

Southeastern Environmental
Laboratories, Inc.
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PWS030 INORGANIC ANALYSIS 62-550.310(1) NUTRIENTS

Sample Number: 60495 Submission Number: 9605000145

Parameter		Analysis			Analysis	Lab	
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>	<u>MDL</u>	<u>Date</u>	<u>ID</u>
1040	Nitrate (10)	< 0.05	MG/L	353.2	< 0.05	05/17/96	82315

**Southeastern Environmental
Laboratories, Inc.**
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS # 82315

DHRS E-82179

PWS030 INORGANIC ANALYSIS 62-550.310(1) MINERALS

Sample Number: 60489 Submission Number: 9605000145

Parameter		Analysis				Analysis	Lab
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>	<u>MDL</u>	<u>Date</u>	<u>ID</u>
1025	Fluoride (4)	0.840	MG/L	340.1	< 0.1	05/20/96	82315
1041	Nitrite (1)	< 0.05	MG/L	353.2	< 0.05	05/17/96	82315

DHRS # 82315

**Southeastern Environmental
Laboratories, Inc.**
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PWS030 INORGANIC ANALYSIS 62-550.310(1) METALS

Sample Number: 60490 Submission Number: 9605000145

Parameter		Analysis			Analysis	Lab	
ID	Name/ (MCL)	Result	Unit	Method	MDL	Date	ID
1074	Antimony (0.006)	< 0.003	MG/L	204.2	< 0.003	05/20/96	82315
1005	Arsenic (0.05)	< 0.025	MG/L	206.2	< 0.025	05/16/96	82315
1010	Barium (2)	< 0.1	MG/L	200.7	< 0.1	05/16/96	82315
1075	Beryllium (0.004)	< 0.002	MG/L	200.7	< 0.002	05/23/96	82315
1015	Cadmium (0.005)	< 0.003	MG/L	200.7	< 0.003	05/23/96	82315
1020	Chromium (0.1)	< 0.05	MG/L	200.7	< 0.05	05/16/96	82315
1030	Lead (0.015)	< 0.005	MG/L	239.2	< 0.005	05/20/96	82315
1035	Mercury (0.002)	< 0.001	MG/L	245.1	< 0.001	05/24/96	82315
1036	Nickel (0.1)	< 0.05	MG/L	249.1	< 0.05	05/29/96	82315
1045	Selenium (0.05)	< 0.025	MG/L	270.2	< 0.025	05/16/96	82315
1052	Sodium (160)	39.0	MG/L	273.1	< 1.0	05/24/96	82315
1085	Thallium (0.002)	< 0.001	MG/L	200.9	< 0.001	05/24/96	82315

DHRS # 82315

**Southeastern Environmental
Laboratories, Inc.**
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PWS030 INORGANIC ANALYSIS 62-550.310(1) CYANIDE

Sample Number: 60491 Submission Number: 9605000145

Parameter		Analysis				Analysis	Lab
ID	Name/(MCL)	Result	Unit	Method	MDL	Date	ID
1024	Cyanide (0.2)	< 0.02	MG/L	335.3	< 0.02	05/21/96	82315

DHRS # 82315

**Southeastern Environmental
Laboratories, Inc.**
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PWS031 SECONDARY CHEMICAL ANALYSIS 62-550.320 ODOR

Sample Number: 60492 Submission Number: 9605000145

Parameter		Analysis				Analysis	Lab
ID	Name/(MCL)	Result	Unit	Method	MDL	Date	ID
1920	Odor (3 threshold odor number)	< 1	OTN	140.1	< 1	05/16/96	82315

DHRS # 82315

Southeastern Environmental
Laboratories, Inc.
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PWS031 SECONDARY CHEMICAL ANALYSIS 62-550.320 MET

Sample Number: 60493 Submission Number: 9605000145

Parameter		Analysis				Analysis	Lab
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>	<u>MDL</u>	<u>Date</u>	<u>ID</u>
1002	Aluminum (0.2)	< 0.1	MG/L	200.7	< 0.1	05/17/96	82315
1022	Copper (1)	< 0.05	MG/L	220.1	< 0.05	05/28/96	82315
1028	Iron (0.3)	< 0.05	MG/L	236.1	< 0.05	05/24/96	82315
1032	Manganese (0.05)	< 0.01	MG/L	243.1	< 0.01	05/24/96	82315
1050	Silver (0.1)	< 0.05	MG/L	272.1	< 0.05	05/24/96	82315
1095	Zinc (5)	< 0.05	MG/L	289.1	< 0.05	05/29/96	82315

DHRS # 82315

**Southeastern Environmental
Laboratories, Inc.**
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PWS031 SECONDARY CHEMICAL ANALYSIS 62-550.320 MIN

Sample Number: 60494 Submission Number: 9605000145

Parameter		Analysis			Analysis	Lab	
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>	<u>MDL</u>	<u>Date</u>	<u>ID</u>
1017	Chloride (250)	75.1	MG/L	325.3	< 1.0	05/20/96	82315
1905	Color (15 color units)	< 5	CU	110.2	< 5	05/16/96	82315
1025	Fluoride (2.0)	0.840	MG/L	340.1	< 0.1	05/20/96	82315
2905	Foaming Agents (0.5)	< 0.02	MG/L	425.1	< 0.02	05/17/96	82315
1925	pH (6.5-8.5)	7.03	S.U.	150.1	< 1.0	05/16/96	82315
1055	Sulfate (250)	137	MG/L	375.4	< 1.0	05/20/96	82315
1930	TDS (500)	553	MG/L	160.1	< 10	05/20/96	82315

DHRS # 82315

**Southeastern Environmental
Laboratories, Inc.**
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

System Name and Address: PONTE VEDRA SYSTEM 71 STATE ROAD A1A I.D.#: 2550908

Type: COMMUNITY

SAMPLE INFORMATION

Sample Date: 11/06/96 Sample Time: 09:45
Sample Location: PONTE VEDRA NORTH WTP PLANT EFFLUENT TAP
Sampler Name and Phone:
ROBERT RIGGS

Sampler's Signature: Robert Riggs
Check Type(s): DISTRIB ENTRY PT/COMPOSITE
Comments: CERT # 84269

LABORATORY CERTIFICATION INFORMATION

Lab Name: Southeastern Environmental Laboratories, Inc. HRS #: 82315 Expiration Date: 6/30/97
Address: 80 Industrial Loop North Building 5 Phone #: (904)269-6176
Orange Park, FL 32073
Subcontracted Lab HRS #:

ANALYSIS INFORMATION SUBMISSION NUMBER: 9611000062

Date Sample Received: 11/06/96 Group(s) Analyzed & Results attached for compliance with 62-550,F.A.C.:

PEST/PCB

I, Pamela L. Rivers, do HEREBY CERTIFY that all attached analytical data are correct.

Signature: Pamela L. Rivers

Title: Laboratory Manager Date: 12/02/96

COMPLIANCE INFORMATION (to be completed by State)

Sample Collection Satisfactory: _____ Sample Analysis Satisfactory: _____

Resample Requested for: _____ Reason: _____

Person notified to resample: _____ Date Notified: _____

DEP/HRS Reviewing Official: _____

DHRS # 82315

Southeastern Environmental
Laboratories, Inc.
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PWS029 PEST & PCB CHEM ANALYSIS 62-550.310(2)(c)

Sample Number: 70840 Submission Number: 9611000062

Parameter		Analysis				Analysis	Lab
ID	Name/(MCL)	Result	Unit	Method	MDL	Date	ID
2931	Dibromochloropropane (.2)	< 0.005	UG/L	504	< 0.005	11/07/96	84269
2946	Ethylene dibromide (.02)	< 0.005	UG/L	504	< 0.005	11/07/96	84269
2042	Hexachlorocyclopentadiene (50)	< 0.1	UG/L	505	< 0.1	11/19/96	84269
2035	Di(2-ethylhexyl)adipate (400)	< 5	UG/L	525	< 5	11/08/96	84269
2039	Di(2-ethylhexyl)phthalate (6)	< 5	UG/L	525	< 5	11/08/96	84269
2037	Simazine (4)	< 0.2	UG/L	507	< 0.2	11/08/96	84269
2050	Atrazine (3)	< 0.2	UG/L	507	< 0.2	11/08/96	84269
2051	Alachlor (2)	< 1	UG/L	507	< 1	11/08/96	84269
2005	Endrin (2)	< 0.1	UG/L	508	< 0.1	11/08/96	84269
2010	Lindane (.2)	< 0.1	UG/L	508	< 0.1	11/08/96	84269
2015	Methoxychlor (40)	< 0.2	UG/L	508	< 0.2	11/08/96	84269
2020	Toxaphene (3)	< 2	UG/L	508	< 2	11/08/96	84269
2065	Heptachlor (.4)	< 0.1	UG/L	508	< 0.1	11/08/96	84269
2067	Heptachlor Epoxide (.2)	< 0.1	UG/L	508	< 0.1	11/08/96	84269
2274	Hexachlorobenzene (1)	< 0.1	UG/L	508	< 0.1	11/08/96	84269
2383	PCB's (.5)	< 0.5	UG/L	508	< 0.5	11/08/96	84269
2959	Chlordane (2)	< 2	UG/L	508	< 2	11/08/96	84269
2031	Dalapon (200)	< 1	UG/L	515.1	< 1	11/07/96	84269
2040	Picloram (500)	< 0.2	UG/L	515.1	< 0.2	11/07/96	84269
2041	Dinoseb (7)	< 0.2	UG/L	515.1	< 0.2	11/07/96	84269
2105	2,4-D (70)	< 0.5	UG/L	515.1	< 0.5	11/07/96	84269
2110	2,4,5-TP (Silvex) (50)	< 0.05	UG/L	515.1	< 0.05	11/07/96	84269
2326	Pentachlorophenol (1)	< 0.05	UG/L	515.1	< 0.05	11/07/96	84269
2036	Oxamyl (Vydate) (200)	< 1	UG/L	531.1	< 1	11/11/96	84269
2046	Carbofuran (40)	< 1	UG/L	531.1	< 1	11/11/96	84269
2034	Glyphosate (700)	< 10	UG/L	547	< 10	11/08/96	84269
2033	Endothall (100)	< 20	UG/L	548	< 20	11/13/96	84269
2032	Diquat (20)	< 4	UG/L	549.1	< 4	11/07/96	84269
2306	Benzo(a)pyrene (.2)	< 0.01	UG/L	550	< 0.01	11/08/96	84269

SOUTHERN ANALYTICAL LABORATORIES, INC.

110 BAYVIEW BOULEVARD, OLDSMAR, FLORIDA 34677

813-855-1844

Southeastern Environmental Laboratories, Inc.
80 Industrial Loop North, Bldg. 5
Orange Park, Florida 32073

November 26, 1996
Project No. 09899
Page 1 of 4

LABORATORY REPORT


Project Description: Analysis of Water Samples

Sample Description: 01 - Water, Composite of Nos. 70836, 70840, sampled 11/6/96
02 - Water, Composite of Nos. 70838, 70839, sampled 11/6/96
03 - Water, 70837, sampled 11/6/96

Date Received: 11/7/96, 0915

- DEP Report Forms Attached

FHRS Environmental Lab No. E84129
FHRS Drinking Water Lab No. 84269
Comprehensive QA Plan No. 870317



Francis I. Daniels
Laboratory Director

Composited SEL Nos. 70836, 70840

PESTICIDE & PCB CHEMICAL ANALYSIS
 62-550.310(2) (c)
 (PWS029)

<u>Parameter ID</u>	<u>NAME (MCL ug/l)</u>	<u>Sample Number</u>	<u>Analysis Result (ug/l)</u>	<u>Analyt. Method</u>	<u>Analysis Date</u>	<u>MDL</u>	<u>Lab ID</u>
2005	Endrin (2)	09899-01	0.01 U	EPA 508	11/8/96	0.01	84269
2010	Lindane (.2)	09899-01	0.01 U	EPA 508	11/8/96	0.01	84269
2015	Methoxychlor (40)	09899-01	0.02 U	EPA 508	11/8/96	0.02	84269
2020	Toxaphene (3)	09899-01	0.2 U	EPA 508	11/8/96	0.2	84269
2031	Dalapon (200)	09899-01	1 U	EPA 515.1	11/7/96	1	84269
2032	Diquat (20)	09899-01	1 U	EPA 549.1	11/7/96	1	84269
2033	Endothall (100)	09899-01	10 U	EPA 548.1	11/13/96	10	84269
2034	Glyphosate (700)	09899-01	10 U	EPA 547	11/8/96	10	84269
2035	Di(2-ethylhexyl)adipate (400)	09899-01	1 U	EPA 506	11/8/96	1	84269
2036	Oxamyl (Vydate) (200)	09899-01	0.5 U	EPA 531.1	11/11/96	0.5	84269
2037	Simazine (4)	09899-01	0.1 U	EPA 507	11/8/96	0.1	84269
J39	Di(2-ethylhexyl)phthalate (6)	09899-01	1 U	EPA 506	11/8/96	1	84269
2040	Picloram (500)	09899-01	0.2 U	EPA 515.1	11/7/96	0.2	84269
2041	Dinoseb (7)	09899-01	0.2 U	EPA 515.1	11/7/96	0.2	84269
2042	Hexachlorocyclopentadiene (50)	09899-01	0.1 U	EPA 505	11/19/96	0.1	84269
2046	Carbofuran (40)	09899-01	0.5 U	EPA 531.1	11/11/96	0.5	84269
2050	Atrazine (3)	09899-01	0.1 U	EPA 507	11/8/96	0.1	84269
2051	Alachlor (2)	09899-01	0.3 U	EPA 507	11/8/96	0.3	84269
2065	Heptachlor (.4)	09899-01	0.01 U	EPA 508	11/8/96	0.01	84269
2067	Heptachlor epoxide (.2)	09899-01	0.01 U	EPA 508	11/8/96	0.01	84269
2105	2,4-D (70)	09899-01	0.5 U	EPA 515.1	11/7/96	0.5	84269
2110	2,4,5-TP (Silvex) (50)	09899-01	0.05 U	EPA 515.1	11/7/96	0.05	84269
2274	Hexachlorobenzene (1)	09899-01	0.01 U	EPA 508	11/8/96	0.01	84269
2306	Benzo(a)pyrene (.2)	09899-01	0.01 U	EPA 550	11/8/96	0.01	84269
2326	Pentachlorophenol (1)	09899-01	0.05 U	EPA 515.1	11/7/96	0.05	84269
2383	PCBs (.5)	09899-01	0.05 U	EPA 508	11/8/96	0.05	84269
2931	Dibromochloropropane (.2)	09899-01	0.005 U	EPA 504.1	11/7/96	0.005	84269
2946	Ethylene dibromide (.02)	09899-01	0.005 U	EPA 504.1	11/7/96	0.005	84269
2959	Chlordane (2)	09899-01	0.05 U	EPA 508	11/8/96	0.05	84269

U - Analyte was not detected; indicated concentration is method detection limit.



PUBLIC DRINKING WATER ANALYSIS REPORT

PUBLIC WATER SYSTEM INFORMATION

Public Water System ID Number: 2550908
 Public Water System Name: Ponte Vedra System
 Public Water System Type:
 Community Non-Community Non-Transient Non-Communit

LABORATORY CERTIFICATION INFORMATION

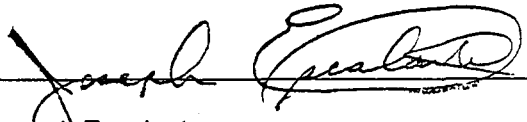
Laboratory Certification Number: 13186
 Parameter Group Analyzed: Radiological

SAMPLE INFORMATION

Laboratory Sample Number: 4290
 Sample Date (MMDDYY): 5/29/96 Sample Time: 12:40
 Sample Location: Ponte Vedra North WTP Plant Effluent Tap
 Sample Type: Check Regular Distribution Composite
 Clearance Maximum Residence Time Plant Tap
 Raw Well Resample
 Special

Sampler Name: D. Temple
 Title: Lab Tech I / Sampler
 Phone: 904/721-4643

I do HEREBY CERTIFY that all data submitted are correct.

Signature: 
 Name: Joseph Escalante
 Title: Chemist III
 Lab: Safe Drinking Water Laboratory
 Phone: 407/297-2095, SC 326-2095
 Date: 6/26/96

Results to:
Scott Turner
United Water Florida
P. O. Box 8004
Jacksonville, FL 32239
904/721-4643

Copy to:
Lynal DeFalco
Dept. of Environmental Protection
7825 Baymeadows Way, Suite B-200
Jacksonville, FL 32256-7577



RADIOLOGICAL ANALYSIS

Public Water System ID Number: 2550908

Laboratory Sample Number: 4290

<u>Contam. ID</u>	<u>PARAMETER</u>	<u>Analysis Results (pCi/L)</u>	<u>Analysis Error</u>	<u>Detection Limit</u>	<u>Analytical Method</u>	<u>Analysis Date</u>
4000	Gross Alpha	0.6	1.0	0.7	900.0	6/4/96
4020	Radium-226				903.1	
4030	Radium-228				*Alt	
4400	Natural Uranium				908.0	
4100	Gross Beta				900.0	
4102	Tritium				906.0	
4172	Strontium-89				905.0	
4174	Strontium-90				905.0	
4264	Iodine-131				**Alt	
4270	Cesium-134				901.1	
4276	Cesium-137				901.1	
4142	Cobalt-60				901.1	

NOTE: Methods are from "Prescribed Procedures for Measurement of Radioactivity in Drinking Water," US EPA, EPA-600/4-80-032, unless noted.

*Alternate Approved Procedure: Brooks - Blanchard Method

**Alternate Approved Procedure: Radiochemical Determination of I-131 in Milk and Water

DHRS # 82315

**Southeastern Environmental
Laboratories, Inc.**
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

System Name and Address: ROYAL LAKES WTP, 8509 WESTERN WAY I.D.#: 2160980

Type: COMMUNITY

SAMPLE INFORMATION

Sample Date: 04/21/97 Sample Time: 12:15
Sample Location: ROYAL LAKES WTP PLANT EFF TAP
Sampler Name and Phone:
DAVID TEMPLE, LAB TECH/SAMPLER 904-721-4601

Sampler's Signature: *David Temple*

Check Type(s): DISTRIB ENTRY PT

Comments:

LABORATORY CERTIFICATION INFORMATION

b Name: Southeastern Environmental HRS #: 82315 Expiration Date: 6/30/97
Laboratories, Inc.
Address: 80 Industrial Loop North Phone #: (904)269-6176
Building 5
Orange Park, FL 32073
Subcontracted Lab HRS #:

ANALYSIS INFORMATION SUBMISSION NUMBER: 9704000196

Date Sample Received: 04/21/97 Group(s) Analyzed & Results attached for
compliance with 62-550, F.A.C.:

NO3, NO2

I do HEREBY CERTIFY that all attached analytical data are correct.

Signature *Ch 2 Pool*

Date: 04/24/97

COMPLIANCE INFORMATION (to be completed by State)

Sample Collection Satisfactory: _____ Sample Analysis Satisfactory: _____

Resample Requested for: _____ Reason: _____

Person notified to resample: _____ Date Notified: _____

DEP/HRS Reviewing Official: _____

DHRS # 82315

**Southeastern Environmental
Laboratories, Inc.**
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

Sample Number: 81887 Submission Number: 9704000196 ROYAL LAKES WTP PLANT EFF TAP

Parameter		Analysis				Analysis	Lab
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>	<u>MDL</u>	<u>Date</u>	<u>ID</u>
1040	Nitrate (10)	< 0.05	MG/L	353.2	< 0.05	04/23/97	82315

DHRS # 82315

**Southeastern Environmental
Laboratories, Inc.**
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

Sample Number: 81888 Submission Number: 9704000196 ROYAL LAKES WTP PLANT EFF TAP

Parameter		Analysis				Analysis	Lab
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>	<u>MDL</u>	<u>Date</u>	<u>ID</u>
1041	Nitrite (1)	< 0.02	MG/L	353.2	< 0.02	04/23/97	82315

Southeastern Environmental
Laboratories, Inc.
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS # 82315

DHRS E-82179

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

System Name and Address:
ROYAL LAKES WTP

I.D.#: 2160980

Type: COMMUNITY

SAMPLE INFORMATION

Sample Date: 03/25/96 Sample Time: 09:45
Sample Location: ROYAL LAKES WTP PLANT EFFLUENT TAP
Sampler Name and Phone:
ROBERT RIGGS

Sampler's Signature: Robert Riggs
Check Type(s): DISTRIB ENTRY PT
Comments:

LABORATORY CERTIFICATION INFORMATION

Lab Name: Southeastern Environmental HRS #: 82315 Expiration Date: 6/30/96
Laboratories, Inc.
Address: 80 Industrial Loop North Phone #: (904)269-6176
Building 5
Orange Park, FL 32073
Subcontracted Lab HRS #:

ANALYSIS INFORMATION SUBMISSION NUMBER: 9603000238

Date Sample Received: 03/25/96 Group(s) Analyzed & Results attached for
compliance with 62-550, F.A.C.:

PRIMARIES, SECONDARIES

I, Pamela L. Rivers, do HEREBY CERTIFY that all attached analytical data are
correct.

Signature: Pamela L. Rivers

Title: Laboratory Manager Date: 04/08/96

COMPLIANCE INFORMATION (to be completed by State)

Sample Collection Satisfactory: _____ Sample Analysis Satisfactory: _____

Resample Requested for: _____ Reason: _____

Person notified to resample: _____ Date Notified: _____

DEP/HRS Reviewing Official: _____

DHRS # 82315

**Southeastern Environmental
Laboratories, Inc.**
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PWS030 INORGANIC ANALYSIS 62-550.310(1) MINERALS

Sample Number: 57306 Submission Number: 9603000238

Parameter		Analysis				Analysis	Lab
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>	<u>MDL</u>	<u>Date</u>	<u>ID</u>
1025	Fluoride (4)	0.752	MG/L	340.1	< 0.1	03/28/96	82315
1041	Nitrite (1)	< 0.05	MG/L	353.2	< 0.05	03/26/96	82315

DHRS # 82315

Southeastern Environmental
Laboratories, Inc.
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PWS030 INORGANIC ANALYSIS 62-550.310(1) NUTRIENTS

Sample Number: 57307 Submission Number: 9603000238

Parameter		Analysis			Analysis	Lab	
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>	<u>MDL</u>	<u>Date</u>	<u>ID</u>
1040	Nitrate (10)	< 0.05	MG/L	353.2	< 0.05	03/26/96	82315

DHRS # 82315

**Southeastern Environmental
Laboratories, Inc.**
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PWS030 INORGANIC ANALYSIS 62-550.310(1) METALS

Sample Number: 57305 Submission Number: 9603000238

Parameter		Analysis			Analysis	Lab	
ID	Name/(MCL)	Result	Unit	Method	MDL	Date	ID
1074	Antimony (0.006)	< 0.003	MG/L	204.2	< 0.003	04/01/96	82315
1005	Arsenic (0.05)	< 0.025	MG/L	206.2	< 0.025	03/26/96	82315
1010	Barium (2)	< 0.1	MG/L	200.7	< 0.1	03/26/96	82315
1075	Beryllium (0.004)	< 0.002	MG/L	200.7	< 0.002	04/04/96	82315
1015	Cadmium (0.005)	< 0.003	MG/L	200.7	< 0.003	04/04/96	82315
1020	Chromium (0.1)	< 0.05	MG/L	200.7	< 0.05	03/26/96	82315
1030	Lead (0.015)	< 0.005	MG/L	239.2	< 0.005	03/25/96	82315
1035	Mercury (0.002)	< 0.001	MG/L	245.1	< 0.001	03/28/96	82315
1036	Nickel (0.1)	< 0.05	MG/L	249.1	< 0.05	03/28/96	82315
1045	Selenium (0.05)	< 0.025	MG/L	270.2	< 0.025	03/29/96	82315
1052	Sodium (160)	15.8	MG/L	273.1	< 1.0	03/26/96	82315
1085	Thallium (0.002)	< 0.001	MG/L	200.9	< 0.001	04/02/96	82315

DHRS # 82315

**Southeastern Environmental
Laboratories, Inc.**
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PWS030 INORGANIC ANALYSIS 62-550.310(1) CYANIDE

Sample Number: 57308 Submission Number: 9603000238

Parameter		Analysis			Analysis	Lab	
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>	<u>MDL</u>	<u>Date</u>	<u>ID</u>
1024	Cyanide (0.2)	< 0.02	MG/L	335.3	< 0.02	04/02/96	82315

DHRS # 82315

**Southeastern Environmental
Laboratories, Inc.**
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PWS031 SECONDARY CHEMICAL ANALYSIS 62-550.320 MET

Sample Number: 57309 Submission Number: 9603000238

Parameter		Analysis			Analysis	Lab	
ID	Name/(MCL)	Result	Unit	Method	MDL	Date	ID
1002	Aluminum (0.2)	< 0.1	MG/L	200.7	< 0.1	04/04/96	82315
1022	Copper (1)	< 0.05	MG/L	220.1	< 0.05	03/27/96	82315
1028	Iron (0.3)	< 0.05	MG/L	236.1	< 0.05	03/27/96	82315
1032	Manganese (0.05)	< 0.01	MG/L	243.1	< 0.01	03/27/96	82315
1050	Silver (0.1)	< 0.05	MG/L	272.1	< 0.05	03/26/96	82315
1095	Zinc (5)	< 0.05	MG/L	289.1	< 0.05	03/27/96	82315

**Southeastern Environmental
Laboratories, Inc.**
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS # 82315

DHRS E-82179

PWS031 SECONDARY CHEMICAL ANALYSIS 62-550.320 MIN

Sample Number: 57310 Submission Number: 9603000238

Parameter		Analysis				Analysis	Lab
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>	<u>MDL</u>	<u>Date</u>	<u>ID</u>
1017	Chloride (250)	54.6	MG/L	325.3	< 1.0	04/01/96	82315
1905	Color (15 color units)	< 5	CU	110.2	< 5	03/27/96	82315
1025	Fluoride (2.0)	0.752	MG/L	340.1	< 0.1	03/28/96	82315
2905	Foaming Agents (0.5)	< 0.02	MG/L	425.1	< 0.02	03/27/96	82315
1925	pH (6.5-8.5)	7.10	S.U.	150.1	< 1.0	03/25/96	82315
1055	Sulfate (250)	303	MG/L	375.4	< 1.0	03/28/96	82315
1930	TDS (500)	598	MG/L	160.1	< 10	03/26/96	82315

DHRS # 82315

**Southeastern Environmental
Laboratories, Inc.**
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PWS031 SECONDARY CHEMICAL ANALYSIS 62-550.320 ODOR

Sample Number: 57311 Submission Number: 9603000238

Parameter		Analysis				Analysis	Lab
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>	<u>MDL</u>	<u>Date</u>	<u>ID</u>
1920	Odor (3 threshold odor number)	< 1	OTN	140.1	< 1	03/25/96	82315

Southeastern Environmental
Laboratories, Inc.

80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS # 82315

DHRS E-82179

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

System Name and Address:

I.D.#: 2160980

ROYAL LAKES WTP 8509 WESTERN WAY

Type: COMMUNITY

SAMPLE INFORMATION

Sample Date: 04/15/96 Sample Time: 11:50

Sample Location: ROYAL LAKES WTP PLANT EFFLUENT TAP

Sampler Name and Phone:

ROBERT RIGGS

Sampler's Signature:

Robert Riggs

Check Type(s): DISTRIB ENTRY PT

Comments:

LABORATORY CERTIFICATION INFORMATION

b Name: Southeastern Environmental Laboratories, Inc. HRS #: 82315 Expiration Date: 6/30/96

Address: 80 Industrial Loop North Building 5
Orange Park, FL 32073

Phone #: (904)269-6176

Subcontracted Lab HRS #:

ANALYSIS INFORMATION SUBMISSION NUMBER: 9604000128

Date Sample Received: 04/15/96 Group(s) Analyzed & Results attached for compliance with 62-550, F.A.C.:

TDS, SO4

I, Pamela L. Rivers, do HEREBY CERTIFY that all attached analytical data are correct.

Signature

Pamela L. Rivers

Title: Laboratory Manager

Date: 04/16/96

COMPLIANCE INFORMATION (to be completed by State)

Sample Collection Satisfactory: _____ Sample Analysis Satisfactory: _____

Resample Requested for: _____ Reason: _____

Person notified to resample: _____ Date Notified: _____

DEP/HRS Reviewing Official: _____

DHRS # 82315

**Southeastern Environmental
Laboratories, Inc.**
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

Sample Number: 58572 Submission Number: 9604000128

Parameter		Analysis				Analysis	Lab
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>	<u>MDL</u>	<u>Date</u>	<u>ID</u>
1055	Sulfate (250)	216	MG/L	375.4	< 1.0	04/15/96	82315
1930	TDS (500)	576	MG/L	160.1	< 10	04/15/96	82315

DHRS # 82315

**Southeastern Environmental
Laboratories, Inc.**
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

System Name and Address: ROYAL LAKES WTP 8509 WESTERN WAY I.D.#: 2160980

Type: COMMUNITY

SAMPLE INFORMATION

Sample Date: 06/27/96 Sample Time: 08:40
Sample Location: ROYAL LAKES WTP PLANET EFFLUENT TAP
Sampler Name and Phone:
ROBERT RIGGS

Sampler's Signature: Robert Riggs
Check Type(s): DISTRIB ENTRY PT
Comments:

LABORATORY CERTIFICATION INFORMATION

Lab Name: Southeastern Environmental Laboratories, Inc. HRS #: 82315 Expiration Date: 6/30/96
Address: 80 Industrial Loop North Building 5 Orange Park, FL 32073 Phone #: (904)269-6176
Subcontracted Lab HRS #:

ANALYSIS INFORMATION SUBMISSION NUMBER: 9606000251

Date Sample Received: 06/27/96 Group(s) Analyzed & Results attached for compliance with 62-550, F.A.C.:

S04

I, Pamela L. Rivers, do HEREBY CERTIFY that all attached analytical data are correct.

Signature: Pamela L. Rivers

Title: Laboratory Manager Date: 06/28/96

COMPLIANCE INFORMATION (to be completed by State)

Sample Collection Satisfactory: _____ Sample Analysis Satisfactory: _____

Resample Requested for: _____ Reason: _____

Person notified to resample: _____ Date Notified: _____

DEP/HRS Reviewing Official: _____

DHRS # 82315

Southeastern Environmental
Laboratories, Inc.
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

Sample Number: 62809 Submission Number: 9606000251

Parameter		Analysis				Analysis	Lab
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>	<u>MDL</u>	<u>Date</u>	<u>ID</u>
1055	Sulfate (250)	175	MG/L	375.4	< 1.0	06/27/96	82315

Royal Lakes WTP
PWS: 2160980

<u>DATE</u>	<u>Sulfate (mg/L)</u>	<u>TDS (mg/L)</u>
03/25/96	303	598
04/15/96	216	576
06/27/96	175	
Average	231	587



PUBLIC DRINKING WATER ANALYSIS REPORT

PUBLIC WATER SYSTEM INFORMATION

Public Water System ID Number: 2160980
 Public Water System Name: Royal Lakes WTP
 Public Water System Type:
 Community Non-Community Non-Transient Non-Communit

LABORATORY CERTIFICATION INFORMATION


Laboratory Certification Number: 13186
 Parameter Group Analyzed: Radiological

SAMPLE INFORMATION

Laboratory Sample Number: 4288
 Sample Date (MMDDYY): 5/29/96 Sample Time: 11:25
 Sample Location: Royal Lakes WTP Plant Effluent Tap
 Sample Type: Check Regular Distribution Composite
 Clearance Maximum Residence Time Plant Tap
 Raw Well Resample
 Special

Sampler Name: D. Temple
 Title: Lab Tech I / Sampler
 Phone: 904/721-4643

I do HEREBY CERTIFY that all data submitted are correct.

Signature: 
 Name: Joseph Escalante
 Title: Chemist III
 Lab: Safe Drinking Water Laboratory
 Phone: 407/297-2095, SC 326-2095
 Date: 6/26/96

Results to:
Scott Turner
United Water Florida
P. O. Box 8004
Jacksonville, FL 32239
904/721-4643

Copy to:
Lynal DeFalco
Dept. of Environmental Protection
7825 Baymeadows Way, Suite B-200
Jacksonville, FL 32256-7577



RADIOLOGICAL ANALYSIS

Public Water System ID Number: 2160980

Laboratory Sample Number: 4288

<u>Contam. ID</u>	<u>PARAMETER</u>	<u>Analysis Results (pCi/L)</u>	<u>Analysis Error</u>	<u>Detection Limit</u>	<u>Analytical Method</u>	<u>Analysis Date</u>
4000	Gross Alpha	1.8	1.4	0.9	900.0	6/4/96
4020	Radium-226				903.1	
4030	Radium-228				*Alt	
4400	Natural Uranium				908.0	
4100	Gross Beta				900.0	
4102	Tritium				906.0	
4172	Strontium-89				905.0	
4174	Strontium-90				905.0	
4264	Iodine-131				**Alt	
4270	Cesium-134				901.1	
4276	Cesium-137				901.1	
4142	Cobalt-60				901.1	

NOTE: Methods are from "Prescribed Procedures for Measurement of Radioactivity in Drinking Water," US EPA, EPA-600/4-80-032, unless noted.

*Alternate Approved Procedure: Brooks - Blanchard Method

**Alternate Approved Procedure: Radiochemical Determination of I-131 in Milk and Water

DHRS # 82315

**Southeastern Environmental
Laboratories, Inc.**
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

System Name and Address:

I.D.#: 2160995

SAN JOSE WTP, 7128 BALBOA RD

Type: COMMUNITY

SAMPLE INFORMATION

Sample Date: 04/21/97 Sample Time: 12:45

Sample Location: SAN JOSE WTP PLANT EFF TAP

Sampler Name and Phone:

DAVID TEMPLE, LAB TECH/SAMPLER 904-721-4601

Sampler's Signature: David Temple

Check Type(s): DISTRIB ENTRY PT

Comments:

LABORATORY CERTIFICATION INFORMATION

Lab Name: Southeastern Environmental HRS #: 82315 Expiration Date: 6/30/97
Laboratories, Inc.

Address: 80 Industrial Loop North Phone #: (904)269-6176
Building 5
Orange Park, FL 32073

Subcontracted Lab HRS #:

ANALYSIS INFORMATION SUBMISSION NUMBER: 9704000197

Date Sample Received: 04/21/97 Group(s) Analyzed & Results attached for
compliance with 62-550,F.A.C.:

NO3,NO2

I do HEREBY CERTIFY that all attached analytical data are correct.

Signature Cheryl

Date: 04/24/97

COMPLIANCE INFORMATION (to be completed by State)

Sample Collection Satisfactory: _____ Sample Analysis Satisfactory: _____

Resample Requested for: _____ Reason: _____

Person notified to resample: _____ Date Notified: _____

DEP/HRS Reviewing Official: _____

DHRS # 82315

**Southeastern Environmental
Laboratories, Inc.**
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

Sample Number: 81889 Submission Number: 9704000197 SAN JOSE WTP PLANT EFF TAP

Parameter		Analysis			Analysis	Lab	
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>	<u>MDL</u>	<u>Date</u>	<u>ID</u>
1040	Nitrate (10)	< 0.05	MG/L	353.2	< 0.05	04/23/97	82315

DHRS # 82315

**Southeastern Environmental
Laboratories, Inc.**
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

Sample Number: 81890 Submission Number: 9704000197 SAN JOSE WTP PLANT EFF TAP

Parameter		Analysis			Analysis	Lab	
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>	<u>MDL</u>	<u>Date</u>	<u>ID</u>
1041	Nitrite (1)	< 0.02	MG/L	353.2	< 0.02	04/23/97	82315

DHRS # 82315

**Southeastern Environmental
Laboratories, Inc.**
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

System Name and Address: SAN JOSE WTP I.D.#: 2160995

Type: COMMUNITY

SAMPLE INFORMATION

Sample Date: 03/25/96 Sample Time: 10:15
Sample Location: SAN JOSE WTP PLANT EFFLUENT TAP
Sampler Name and Phone:
ROBERT RIGGS

Sampler's Signature: Robert Riggs
Check Type(s): DISTRIB ENTRY PT
Comments:

LABORATORY CERTIFICATION INFORMATION

Lab Name: Southeastern Environmental Laboratories, Inc. HRS #: 82315 Expiration Date: 6/30/96
Address: 80 Industrial Loop North Building 5 Phone #: (904)269-6176
Orange Park, FL 32073
Subcontracted Lab HRS #:

ANALYSIS INFORMATION SUBMISSION NUMBER: 9603000239
Date Sample Received: 03/25/96 Group(s) Analyzed & Results attached for compliance with 62-550,F.A.C.:

PRIMARIES, SECONDARIES

I, Pamela L. Rivers, do HEREBY CERTIFY that all attached analytical data are correct.

Signature: Pamela L. Rivers

Title: Laboratory Manager Date: 04/08/96

COMPLIANCE INFORMATION (to be completed by State)

Sample Collection Satisfactory: _____ Sample Analysis Satisfactory: _____

Resample Requested for: _____ Reason: _____

Person notified to resample: _____ Date Notified: _____

DEP/HRS Reviewing Official: _____

DHRS # 82315

**Southeastern Environmental
Laboratories, Inc.**
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PWS030 INORGANIC ANALYSIS 62-550.310(1) NUTRIENTS

Sample Number: 57314 Submission Number: 9603000239

Parameter		Analysis			Analysis	Lab	
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>	<u>MDL</u>	<u>Date</u>	<u>ID</u>
1040	Nitrate (10)	< 0.05	MG/L	353.2	< 0.05	03/26/96	82315

DHRS # 82315

**Southeastern Environmental
Laboratories, Inc.**
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PWS030 INORGANIC ANALYSIS 62-550.310(1) MINERALS

Sample Number: 57313 Submission Number: 9603000239

Parameter		Analysis			Analysis	Lab	
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>	<u>MDL</u>	<u>Date</u>	<u>ID</u>
1025	Fluoride (4)	0.490	MG/L	340.1	< 0.1	03/28/96	82315
1041	Nitrite (1)	< 0.05	MG/L	353.2	< 0.05	03/26/96	82315

DHRS # 82315

**Southeastern Environmental
Laboratories, Inc.**
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PWS030 INORGANIC ANALYSIS 62-550.310(1) METALS

Sample Number: 57312 Submission Number: 9603000239

Parameter		Analysis			Analysis	Lab	
ID	Name/(MCL)	Result	Unit	Method	MDL	Date	ID
1074	Antimony (0.006)	< 0.003	MG/L	204.2	< 0.003	04/01/96	82315
1005	Arsenic (0.05)	< 0.025	MG/L	206.2	< 0.025	03/26/96	82315
1010	Barium (2)	< 0.1	MG/L	200.7	< 0.1	03/26/96	82315
1075	Beryllium (0.004)	< 0.002	MG/L	200.7	< 0.002	04/04/96	82315
1015	Cadmium (0.005)	< 0.003	MG/L	200.7	< 0.003	04/04/96	82315
1020	Chromium (0.1)	< 0.05	MG/L	200.7	< 0.05	03/26/96	82315
1030	Lead (0.015)	< 0.005	MG/L	239.2	< 0.005	03/25/96	82315
1035	Mercury (0.002)	< 0.001	MG/L	245.1	< 0.001	03/28/96	82315
1036	Nickel (0.1)	< 0.05	MG/L	249.1	< 0.05	03/28/96	82315
1045	Selenium (0.05)	< 0.025	MG/L	270.2	< 0.025	03/29/96	82315
1052	Sodium (160)	11.8	MG/L	273.1	< 1.0	03/26/96	82315
1085	Thallium (0.002)	< 0.001	MG/L	200.9	< 0.001	04/02/96	82315

DHRS # 82315

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Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PWS030 INORGANIC ANALYSIS 62-550.310(1) CYANIDE

Sample Number: 57315 Submission Number: 9603000239

Parameter		Analysis			Analysis	Lab	
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>	<u>MDL</u>	<u>Date</u>	<u>ID</u>
1024	Cyanide (0.2)	< 0.02	MG/L	335.3	< 0.02	04/02/96	82315

DHRS # 82315

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DHRS E-82179

PWS031 SECONDARY CHEMICAL ANALYSIS 62-550.320 MET

Sample Number: 57316 Submission Number: 9603000239

Parameter		Analysis			Analysis	Lab	
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>	<u>MDL</u>	<u>Date</u>	<u>ID</u>
1002	Aluminum (0.2)	< 0.1	MG/L	200.7	< 0.1	04/04/96	82315
1022	Copper (1)	< 0.05	MG/L	220.1	< 0.05	03/27/96	82315
1028	Iron (0.3)	0.055	MG/L	236.1	< 0.05	03/27/96	82315
1032	Manganese (0.05)	< 0.01	MG/L	243.1	< 0.01	03/27/96	82315
1050	Silver (0.1)	< 0.05	MG/L	272.1	< 0.05	03/26/96	82315
1095	Zinc (5)	< 0.05	MG/L	289.1	< 0.05	03/27/96	82315

DHRS # 82315

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DHRS E-82179

PWS031 SECONDARY CHEMICAL ANALYSIS 62-550.320 MIN

Sample Number: 57317 Submission Number: 9603000239

Parameter		Analysis				Analysis	Lab
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>	<u>MDL</u>	<u>Date</u>	<u>ID</u>
1017	Chloride (250)	43.1	MG/L	325.3	< 1.0	04/01/96	82315
1905	Color (15 color units)	< 5	CU	110.2	< 5	03/27/96	82315
1025	Fluoride (2.0)	0.490	MG/L	340.1	< 0.1	03/28/96	82315
2905	Foaming Agents (0.5)	< 0.02	MG/L	425.1	< 0.02	03/27/96	82315
1925	pH (6.5-8.5)	7.21	S.U.	150.1	< 1.0	03/25/96	82315
1055	Sulfate (250)	254	MG/L	375.4	< 1.0	03/28/96	82315
1930	TDS (500)	503	MG/L	160.1	< 10	03/26/96	82315

DHRS # 82315

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DHRS E-82179

PWS031 SECONDARY CHEMICAL ANALYSIS 62-550.320 ODOR

Sample Number: 57318 Submission Number: 9603000239

Parameter		Analysis				Analysis	Lab
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>	<u>MDL</u>	<u>Date</u>	<u>ID</u>
1920	Odor (3 threshold odor number)	< 1	OTN	140.1	< 1	03/25/96	82315

San Jose WTP

ID #2160995

TDS, Sulfate Resamples

<u>DATE</u>	<u>SO4</u>	<u>TDS</u>
03/25/96	254	503
04/15/96	170	497
Average	212	500

DHRS # 82315

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DHRS E-82179

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

System Name and Address: SAN JOSE WTP 7128 BALBOA RD I.D.#: 2160995

Type: COMMUNITY

SAMPLE INFORMATION

Sample Date: 04/15/96 Sample Time: 13:15
Sample Location: SAN JOSE WTP PLANT EFFLUENT TAP
Sampler Name and Phone:
ROBERT RIGGS

Sampler's Signature: Robert Riggs
Check Type(s): DISTRIB ENTRY PT
Comments:

LABORATORY CERTIFICATION INFORMATION

Lab Name: Southeastern Environmental Laboratories, Inc. HRS #: 82315 Expiration Date: 6/30/96
Address: 80 Industrial Loop North Building 5 Phone #: (904)269-6176
Orange Park, FL 32073
Subcontracted Lab HRS #:

ANALYSIS INFORMATION SUBMISSION NUMBER: 9604000129

Date Sample Received: 04/15/96 Group(s) Analyzed & Results attached for compliance with 62-550,F.A.C.:

TDS, SO4

I, Pamela L. Rivers, do HEREBY CERTIFY that all attached analytical data are correct.

Signature: Pamela L. Rivers

Title: Laboratory Manager Date: 04/16/96

COMPLIANCE INFORMATION (to be completed by State)

Sample Collection Satisfactory: _____ Sample Analysis Satisfactory: _____

Resample Requested for: _____ Reason: _____

Person notified to resample: _____ Date Notified: _____

DEP/HRS Reviewing Official: _____

**Southeastern Environmental
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80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS # 82315

DHRS E-82179

Sample Number: 58573 Submission Number: 9604000129

Parameter		Analysis				Analysis	Lab
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>	<u>MDL</u>	<u>Date</u>	<u>ID</u>
1055	Sulfate (250)	170	MG/L	375.4	< 1.0	04/15/96	82315
1930	TDS (500)	497	MG/L	160.1	< 10	04/15/96	82315



STATE OF FLORIDA
DEPARTMENT OF HEALTH AND REHABILITATIVE SERVICES

PUBLIC DRINKING WATER ANALYSIS REPORT

PUBLIC WATER SYSTEM INFORMATION

Public Water System ID Number: 2160995
 Public Water System Name: San Jose WTP
 Public Water System Type:
 Community Non-Community Non-Transient Non-Communit

LABORATORY CERTIFICATION INFORMATION


Laboratory Certification Number: 13186
 Parameter Group Analyzed: Radiological

SAMPLE INFORMATION

Laboratory Sample Number: 4289
 Sample Date (MMDDYY): 5/29/96 Sample Time: 11:00
 Sample Location: San Jose WTP Plant Effluent Tap
 Sample Type: Check Regular Distribution Composite
 Clearance Maximum Residence Time Plant Tap
 Raw Well Resample
 Special

Sampler Name: D. Temple
 Title: Lab Tech I / Sampler
 Phone: 904/721-4643

I do HEREBY CERTIFY that all data submitted are correct.

Signature: 
 Name: Joseph Escalante
 Title: Chemist III
 Lab: Safe Drinking Water Laboratory
 Phone: 407/297-2095, SC 326-2095
 Date: 6/26/96

Results to:
Scott Turner
United Water Florida
P. O. Box 8004
Jacksonville, FL 32239
904/721-4643

Copy to:
Lynal DeFalco
Dept. of Environmental Protection
7825 Baymeadows Way, Suite B-200
Jacksonville, FL 32256-7577



STATE OF FLORIDA
DEPARTMENT OF HEALTH AND REHABILITATIVE SERVICES

RADIOLOGICAL ANALYSIS

Public Water System ID Number: 2160995

Laboratory Sample Number: 4289

<u>Contam. ID</u>	<u>PARAMETER</u>	<u>Analysis Results (pCi/L)</u>	<u>Analysis Error</u>	<u>Detection Limit</u>	<u>Analytical Method</u>	<u>Analysis Date</u>
4000	Gross Alpha	0.6	1.2	0.8	900.0	6/4/96
4020	Radium-226				903.1	
4030	Radium-228				*Alt	
4400	Natural Uranium				908.0	
4100	Gross Beta				900.0	
4102	Tritium				906.0	
4172	Strontium-89				905.0	
4174	Strontium-90				905.0	
4264	Iodine-131				**Alt	
4270	Cesium-134				901.1	
4276	Cesium-137				901.1	
4142	Cobalt-60				901.1	

NOTE: Methods are from "Prescribed Procedures for Measurement of Radioactivity in Drinking Water," US EPA, EPA-600/4-80-032, unless noted.

*Alternate Approved Procedure: Brooks - Blanchard Method

**Alternate Approved Procedure: Radiochemical Determination of I-131 in Milk and Water

DHRS # 82315

Southeastern Environmental
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Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

System Name and Address:
ST. JOHNS FOREST WTP

I.D.#: 2554368

Type: COMMUNITY

SAMPLE INFORMATION

Sample Date: 04/30/97 Sample Time: 11:15
Sample Location: ST. JOHNS WTP PLANT EFFLUENT TAP
Sampler Name and Phone:
ROBERT RIGGS

Sampler's Signature: Robert Riggs
Check Type(s): DISTRIB ENTRY PT
Comments:

LABORATORY CERTIFICATION INFORMATION

Lab Name: Southeastern Environmental Laboratories, Inc. HRS #: 82315 Expiration Date: 6/30/97
Address: 80 Industrial Loop North Building 5 Orange Park, FL 32073 Phone #: (904)269-6176
Subcontracted Lab HRS #: 84269

ANALYSIS INFORMATION SUBMISSION NUMBER: 9704000310

Date Sample Received: 04/30/97 Group(s) Analyzed & Results attached for compliance with 62-550,F.A.C.:

INORG, VOL, SEC, PEST/PCB

I do HEREBY CERTIFY that all attached analytical data are correct.

Signature Chad Buel

Date: 05/20/97

COMPLIANCE INFORMATION (to be completed by State)

Sample Collection Satisfactory: _____ Sample Analysis Satisfactory: _____

Resample Requested for: _____ Reason: _____

Person notified to resample: _____ Date Notified: _____

DEP/HRS Reviewing Official: _____

DHRS # 82315

**Southeastern Environmental
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(904) 269-6176

DHRS E-82179

PWS030 INORGANIC ANALYSIS 62-550.310(1) METALS

Sample Number: 82491 Submission Number: 9704000310 ST. JOHNS WTP PLANT EFFLUENT TAP

Parameter		Analysis			Analysis	Lab
ID	Name/(MCL)	Result	Unit	Method MDL	Date	ID
1074	Antimony (0.006)	< 0.003	MG/L	SM3113B < 0.003	05/06/97	82315
1005	Arsenic (0.05)	< 0.005	MG/L	SM3113B < 0.005	05/05/97	82315
1010	Barium (2)	0.034	MG/L	200.7 < 0.010	05/02/97	82315
1075	Beryllium (0.004)	< 0.002	MG/L	200.7 < 0.002	05/02/97	82315
1015	Cadmium (0.005)	< 0.003	MG/L	200.7 < 0.003	05/02/97	82315
1020	Chromium (0.1)	< 0.010	MG/L	200.7 < 0.010	05/02/97	82315
1030	Lead (0.015)	0.002	MG/L	SM3113B < 0.001	05/05/97	82315
1035	Mercury (0.002)	< 0.0005	MG/L	245.1 < 0.005	05/13/97	82315
1036	Nickel (0.1)	< 0.05	MG/L	SM3111B < 0.05	05/01/97	82315
1045	Selenium (0.05)	0.003	MG/L	SM3113B < 0.002	05/05/97	82315
1052	Sodium (160)	12.3	MG/L	SM3111B < 0.500	05/01/97	82315
1085	Thallium (0.002)	< 0.001	MG/L	200.9 < 0.001	05/06/97	82315

DHRS # 82315

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DHRS E-82179

PWS030 INORGANIC ANALYSIS 62-550.310(1) MINERALS

Sample Number: 82492 Submission Number: 9704000310 ST. JOHNS WTP PLANT EFFLUENT TAP

Parameter		Analysis			Analysis	Lab
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u> <u>MDL</u>	<u>Date</u>	<u>ID</u>
1025	Fluoride (4)	0.330	MG/L	SM4500F < 0.1	05/05/97	82315
1041	Nitrite (1)	< 0.02	MG/L	353.2 < 0.02	05/02/97	82315

DHRS # 82315

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PWS030 INORGANIC ANALYSIS 62-550.310(1) NUTRIENTS

Sample Number: 82493 Submission Number: 9704000310 ST. JOHNS WTP PLANT EFFLUENT TAP

Parameter		Analysis				Analysis	Lab
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>	<u>MDL</u>	<u>Date</u>	<u>ID</u>
1040	Nitrate (10)	< 0.05	MG/L	353.2	< 0.05	05/02/97	82315

DHRS # 82315

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DHRS E-82179

PWS030 INORGANIC ANALYSIS 62-550.310(1) CYANIDE

Sample Number: 82494 Submission Number: 9704000310 ST. JOHNS WTP PLANT EFFLUENT TAP

Parameter		Analysis			Analysis	Lab
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u> <u>MDL</u>	<u>Date</u>	<u>ID</u>
1024	Cyanide (0.2)	< 0.02	MG/L	SM4500C < 0.02	05/05/97	82315

DHRS # 82315

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DHRS E-82179

PWS028 VOLATILE ORGANIC ANALYSIS 62-550.310(2)(b)

 Sample Number: 82495 Submission Number: 9704000310 ST. JOHNS WTP PLANT EFFLUENT TAP

Parameter		Analysis				Analysis	Lab
ID	Name/(MCL)	Result	Unit	Method	MDL	Date	ID
2969	Para-dichlorobenzene	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2378	1,2,4-Trichlorobenzene	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2380	Cis-1,2-dichloroethylene	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2955	Xylenes (o)	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
--	Xylenes (m,p)	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2964	Dichloromethane	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2968	O-dichlorobenzene	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2976	Vinyl Chloride	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2977	1,1-Dichloroethylene	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2979	Trans-1,2-dichloroethylene	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2980	1,2-dichloroethane	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2981	1,1,1-trichloroethane	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2982	Carbon Tetrachloride	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2983	1,2-dichloropropane	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2984	Trichloroethylene	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2985	1,1,2-trichloroethane	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2987	Tetrachloroethylene	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2989	Monochlorobenzene	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2990	Benzene	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2991	Toluene	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2992	Ethylbenzene	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2996	Styrene	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315

DHRS # 82315

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DHRS E-82179

PWS031 SECONDARY CHEMICAL ANALYSIS 62-550.320 MET

Sample Number: 82496 Submission Number: 9704000310 ST. JOHNS WTP PLANT EFFLUENT TAP

Parameter		Analysis			Analysis	Lab
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u> <u>MDL</u>	<u>Date</u>	<u>ID</u>
1002	Aluminum (0.2)	< 0.010	MG/L	200.7 < 0.010	05/17/97	82315
1022	Copper (1)	0.027	MG/L	SM3111B < 0.010	05/01/97	82315
1028	Iron (0.3)	0.126	MG/L	SM3111B < 0.05	05/01/97	82315
1032	Manganese (0.05)	< 0.01	MG/L	SM3111B < 0.01	05/01/97	82315
1050	Silver (0.1)	< 0.020	MG/L	SM3111B < 0.020	05/02/97	82315
1095	Zinc (5)	0.880	MG/L	SM3111B < 0.05	05/01/97	82315

DHRS # 82315

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DHRS E-82179

PWS031 SECONDARY CHEMICAL ANALYSIS 62-550.320 MIN

Sample Number: 82497 Submission Number: 9704000310 ST. JOHNS WTP PLANT EFFLUENT TAP

Parameter		Analysis			Analysis	Lab
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u> <u>MDL</u>	<u>Date</u>	<u>ID</u>
1017	Chloride (250)	22.4	MG/L	SM4500C < 0.5	05/05/97	82315
1905	Color (15 color units)	< 5	CU	SM2120B < 5	05/01/97	82315
1025	Fluoride (2.0)	0.330	MG/L	SM4500F < 0.1	05/05/97	82315
2905	Foaming Agents (0.5)	< 0.05	MG/L	SM5540C < 0.05	05/01/97	82315
1925	pH (6.5-8.5)	7.17	S.U.	150.1 < 1.0	05/01/97	82315
1055	Sulfate (250)	251	MG/L	375.4 < 1.0	05/05/97	82315
1930	TDS (500)	477	MG/L	SM2540C < 5	05/02/97	82315

DHRS # 82315

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DHRS E-82179

PWS031 SECONDARY CHEMICAL ANALYSIS 62-550.320 ODOR

Sample Number: 82498 Submission Number: 9704000310 ST. JOHNS WTP PLANT EFFLUENT TAP

Parameter		Analysis			Analysis	Lab
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u> <u>MDL</u>	<u>Date</u>	<u>ID</u>
1920	Odor (3 threshold odor number)	< 1	OTN	SM2150B < 1	05/01/97	82315

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DHRS # 82315

DHRS E-82179

PWS029 PEST & PCB CHEM ANALYSIS 62-550.310(2)(c)

Sample Number: 82499 Submission Number: 9704000310 ST. JOHNS WTP PLANT EFFLUENT TAP

Parameter		Analysis			Analysis	Lab	
ID	Name/(MCL)	Result	Unit	Method	MDL	Date	ID
2931	Dibromochloropropane (.2)	< 0.005	UG/L	504	< 0.005	05/10/97	84269
2946	Ethylene dibromide (.02)	< 0.005	UG/L	504	< 0.005	05/10/97	84269
2042	Hexachlorocyclopentadiene (50)	< 0.1	UG/L	505	< 0.1	05/07/97	84269
2035	Di(2-ethylhexyl)adipate (400)	< 1.0	UG/L	525	< 1.0	05/05/97	84269
2039	Di(2-ethylhexyl)phthalate (6)	< 1.0	UG/L	525	< 1.0	05/05/97	84269
2037	Simazine (4)	< 0.1	UG/L	507	< 0.1	05/05/97	84269
2050	Atrazine (3)	< 0.1	UG/L	507	< 0.1	05/05/97	84269
2051	Alachlor (2)	< 0.3	UG/L	507	< 0.3	05/05/97	84269
2005	Endrin (2)	< 0.01	UG/L	508	< 0.01	05/05/97	84269
2010	Lindane (.2)	< 0.01	UG/L	508	< 0.01	05/05/97	84269
2015	Methoxychlor (40)	< 0.02	UG/L	508	< 0.02	05/05/97	84269
2020	Toxaphene (3)	< 0.2	UG/L	508	< 0.2	05/05/97	84269
2065	Heptachlor (.4)	< 0.1	UG/L	508	< 0.01	05/05/97	84269
67	Heptachlor Epoxide (.2)	< 0.01	UG/L	508	< 0.01	05/05/97	84269
2274	Hexachlorobenzene (1)	< 0.01	UG/L	508	< 0.01	05/05/97	84269
2383	PCB's (.5)	< 0.05	UG/L	508	< 0.05	05/05/97	84269
2959	Chlordane (2)	< 0.05	UG/L	508	< 0.05	05/05/97	84269
2031	Dalapon (200)	< 1	UG/L	515.1	< 1	05/08/97	84269
2040	Picloram (500)	< 0.2	UG/L	515.1	< 0.2	05/08/97	84269
2041	Dinoseb (7)	< 0.2	UG/L	515.1	< 0.2	05/08/97	84269
2105	2,4-D (70)	< 0.5	UG/L	515.1	< 0.5	05/08/97	84269
2110	2,4,5-TP (Silvex) (50)	< 0.05	UG/L	515.1	< 0.05	05/08/97	84269
2326	Pentachlorophenol (1)	< 0.05	UG/L	515.1	< 0.05	05/08/97	84269
2036	Oxamyl (Vydate) (200)	< 0.5	UG/L	531.1	< 0.5	05/16/97	84269
2046	Carbofuran (40)	< 0.5	UG/L	531.1	< 0.5	05/16/97	84269
2034	Glyphosate (700)	< 10	UG/L	547	< 10	05/06/97	84269
2033	Endothall (100)	< 10.0	UG/L	548	< 10.0	05/07/97	84269
2032	Diquat (20)	< 1.0	UG/L	549.1	< 1.0	05/05/97	84269
2306	Benzo(a)pyrene (.2)	< 0.01	UG/L	550	< 0.01	05/05/97	84269

HEPTACHLOR D.L. CHANGED DUE TO MATRIX INTERFERENCE.

DHRS # 82315

Southeastern Environmental
Laboratories, Inc.
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

System Name and Address: ST JOHNS FOREST WTP 2740 COUNTY RD 210 W I.D.#: 2554368

Type: COMMUNITY

SAMPLE INFORMATION

Sample Date: 06/09/97 Sample Time: 11:00
Sample Location: ST JOHNS FOREST WTP PLANT EFFLUENT TAP
Sampler Name and Phone: ROBERT RIGGS/LAB TECH/SAMPLER 904-721-4601

Sampler's Signature: Robert Riggs
Check Type(s): DISTRIB ENTRY PT
Comments:

LABORATORY CERTIFICATION INFORMATION

Lab Name: Southeastern Environmental Laboratories, Inc. HRS #: 82315 Expiration Date: 6/30/97
Address: 80 Industrial Loop North Building 5 Phone #: (904)269-6176
Orange Park, FL 32073
Subcontracted Lab HRS #:

ANALYSIS INFORMATION SUBMISSION NUMBER: 9706000060
Date Sample Received: 06/09/97 Group(s) Analyzed & Results attached for compliance with 62-550,F.A.C.:

SULFATE

I do HEREBY CERTIFY that all attached analytical data are correct.

Signature Christine L. Buhl

Date: 06/13/97

COMPLIANCE INFORMATION (to be completed by State)

Sample Collection Satisfactory: _____ Sample Analysis Satisfactory: _____

Resample Requested for: _____ Reason: _____

Person notified to resample: _____ Date Notified: _____

DEP/HRS Reviewing Official: _____

DHRS # 82315

**Southeastern Environmental
Laboratories, Inc.**
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

Sample Number: 84673 Submission Number: 9706000060 ST JOHNS FOREST WTP PLANT EFFLUENT TA

Parameter		Analysis				Analysis	Lab
ID	Name/(MCL)	Result	Unit	Method	MDL	Date	ID
1055	Sulfate (250)	246	MG/L	375.4	< 1.0	06/10/97	82315



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Governor

James T. Howell, M.D., M.P.H.
Secretary

PUBLIC DRINKING WATER ANALYSIS REPORT

PUBLIC WATER SYSTEM INFORMATION

Public Water System ID Number: 2554368
Public Water System Name: St. Johns Forest WTP
Public Water System Type:
 Community Non-Community Non-Transient Non-Communit

LABORATORY CERTIFICATION INFORMATION

Laboratory Certification Number: 13186
Parameter Group Analyzed: Radiological

SAMPLE INFORMATION

Laboratory Sample Number: 4317
Sample Date (MMDDYY): 7/28/97 Sample Time: 7:15
Sample Location: St. Johns Forest WTP Plant Effluent Tap
Sample Type: Check Regular Distribution Composite
 Clearance Maximum Residence Time Plant Tap
 Raw Well Resample
 Special

Sampler Name: R. Riggs
Title: Lab Tech / Sampler
Phone: 904/721-4601

I do HEREBY CERTIFY that all data submitted are correct.

Signature:
Name: Joseph Escalante
Title: Chemist III
Lab: Safe Drinking Water Laboratory
Phone: 407/297-2095, SC 326-2095
Date: 9/2/97

Results to:
Scott Turner
United Water Florida
P. O. Box 8004
Jacksonville, FL 32239
904/721-4643

Copy to:
Lynal DeFalco
Dept. of Environmental Protection
7825 Baymeadows Way, Suite B-200
Jacksonville, FL 32256-7577



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Governor

James T. Howell, M.D., M.P.H.
Secretary

RADIOLOGICAL ANALYSIS

Public Water System ID Number: 2554368

Laboratory Sample Number: 4317

<u>Contam. ID</u>	<u>PARAMETER</u>	<u>Analysis Results (pCi/L)</u>	<u>Analysis Error</u>	<u>Detection Limit</u>	<u>Analytical Method</u>	<u>Analysis Date</u>
4000	Gross Alpha	0.0	1.1	0.8	900.0	8/4/97
4020	Radium-226				903.1	
4030	Radium-228				*Alt	
4400	Natural Uranium				908.0	
4100	Gross Beta				900.0	
4102	Tritium				906.0	
4172	Strontium-89				905.0	
4174	Strontium-90				905.0	
4264	Iodine-131				**Alt	
4270	Cesium-134				901.1	
4276	Cesium-137				901.1	
4142	Cobalt-60				901.1	

NOTE: Methods are from "Prescribed Procedures for Measurement of Radioactivity in Drinking Water," US EPA, EPA-600/4-80-032, unless noted.

*Alternate Approved Procedure: Brooks - Blanchard Method

**Alternate Approved Procedure: Radiochemical Determination of I-131 in Milk and Water

DHRS # 82315

**Southeastern Environmental
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(904) 269-6176

DHRS E-82179

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

System Name and Address:
ST. JOHNS NORTH WTP

I.D.#: 2554345

Type: COMMUNITY

SAMPLE INFORMATION

Sample Date: 04/30/97 Sample Time: 12:00
Sample Location: ST. JOHNS NORTH WTP PLANT EFFLUENT TAP
Sampler Name and Phone:
ROBERT RIGGS

Sampler's Signature: Robert Riggs
Check Type(s): DISTRIB ENTRY PT
Comments:

LABORATORY CERTIFICATION INFORMATION

Lab Name: Southeastern Environmental Laboratories, Inc. HRS #: 82315 Expiration Date: 6/30/97
Address: 80 Industrial Loop North Building 5 Phone #: (904)269-6176
Orange Park, FL 32073
Subcontracted Lab HRS #: 84269

ANALYSIS INFORMATION SUBMISSION NUMBER: 9704000311
Date Sample Received: 04/30/97 Group(s) Analyzed & Results attached for compliance with 62-550,F.A.C.:

INORG, VOL, SEC, PEST/PCB, GRP II

I do HEREBY CERTIFY that all attached analytical data are correct.

Signature CHZBA

Date: 05/20/97

COMPLIANCE INFORMATION (to be completed by State)

Sample Collection Satisfactory: _____ Sample Analysis Satisfactory: _____

Resample Requested for: _____ Reason: _____

Person notified to resample: _____ Date Notified: _____

DEP/HRS Reviewing Official: _____

DHRS # 82315

**Southeastern Environmental
Laboratories, Inc.**
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PWS030 INORGANIC ANALYSIS 62-550.310(1) METALS

Sample Number: 82500 Submission Number: 9704000311 ST. JOHNS NORTH WTP PLANT EFFLUENT TA

Parameter		Analysis			Analysis	Lab
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u> <u>MDL</u>	<u>Date</u>	<u>ID</u>
1074	Antimony (0.006)	< 0.003	MG/L	SM3113B < 0.003	05/06/97	82315
1005	Arsenic (0.05)	< 0.005	MG/L	SM3113B < 0.005	05/05/97	82315
1010	Barium (2)	0.031	MG/L	200.7 < 0.010	05/02/97	82315
1075	Beryllium (0.004)	< 0.002	MG/L	200.7 < 0.002	05/02/97	82315
1015	Cadmium (0.005)	< 0.003	MG/L	200.7 < 0.003	05/02/97	82315
1020	Chromium (0.1)	< 0.010	MG/L	200.7 < 0.010	05/02/97	82315
1030	Lead (0.015)	0.001	MG/L	SM3113B < 0.001	05/05/97	82315
1035	Mercury (0.002)	< 0.0005	MG/L	245.1 < 0.005	05/13/97	82315
1036	Nickel (0.1)	< 0.05	MG/L	SM3111B < 0.05	05/01/97	82315
1045	Selenium (0.05)	< 0.002	MG/L	SM3113B < 0.002	05/05/97	82315
1052	Sodium (160)	13.0	MG/L	SM3111B < 0.500	05/01/97	82315
1085	Thallium (0.002)	< 0.001	MG/L	200.9 < 0.001	05/06/97	82315

DHRS # 82315

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DHRS E-82179

PWS030 INORGANIC ANALYSIS 62-550.310(1) MINERALS

Sample Number: 82501 Submission Number: 9704000311 ST. JOHNS NORTH WTP PLANT EFFLUENT TA

Parameter		Analysis				Analysis	Lab
ID	Name/(MCL)	Result	Unit	Method	MDL	Date	ID
1025	Fluoride (4)	0.683	MG/L	SM4500F	< 0.1	05/05/97	82315
1041	Nitrite (1)	< 0.02	MG/L	353.2	< 0.02	05/02/97	82315

DHRS # 82315

Southeastern Environmental
Laboratories, Inc.
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Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PWS030 INORGANIC ANALYSIS 62-550.310(1) NUTRIENTS

Sample Number: 82502 Submission Number: 9704000311 ST. JOHNS NORTH WTP PLANT EFFLUENT TA

Parameter		Analysis				Analysis	Lab
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>	<u>MDL</u>	<u>Date</u>	<u>ID</u>
1040	Nitrate (10)	< 0.05	MG/L	353.2	< 0.05	05/02/97	82315

DHRS # 82315

Southeastern Environmental
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DHRS E-82179

PWS030 INORGANIC ANALYSIS 62-550.310(1) CYANIDE

Sample Number: 82503 Submission Number: 9704000311 ST. JOHNS NORTH WTP PLANT EFFLUENT TA

Parameter		Analysis			Analysis	Lab
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u> <u>MDL</u>	<u>Date</u>	<u>ID</u>
1024	Cyanide (0.2)	< 0.02	MG/L	SM4500C < 0.02	05/05/97	82315

DHRS # 82315

**Southeastern Environmental
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DHRS E-82179

PWS028 VOLATILE ORGANIC ANALYSIS 62-550.310(2)(b)

Sample Number: 82504 Submission Number: 9704000311 ST. JOHNS NORTH WTP PLANT EFFLUENT TA

Parameter		Analysis				Analysis	Lab
ID	Name/(MCL)	Result	Unit	Method	MDL	Date	ID
2969	Para-dichlorobenzene	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2378	1,2,4-Trichlorobenzene	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2380	Cis-1,2-dichloroethylene	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2955	Xylenes (o)	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
--	Xylenes (m,p)	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2964	Dichloromethane	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2968	O-dichlorobenzene	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2976	Vinyl Chloride	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2977	1,1-Dichloroethylene	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2979	Trans-1,2-dichloroethylene	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2980	1,2-dichloroethane	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2981	1,1,1-trichloroethane	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2982	Carbon Tetrachloride	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2983	1,2-dichloropropane	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2984	Trichloroethylene	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2985	1,1,2-trichloroethane	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2987	Tetrachloroethylene	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2989	Monochlorobenzene	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2990	Benzene	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2991	Toluene	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2992	Ethylbenzene	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2996	Styrene	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315

DHRS # 82315

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DHRS E-82179

PWS034 UNREGULATED GROUP II ANALYSIS 62-550.410

Sample Number: 82505 Submission Number: 9704000311 ST. JOHNS NORTH WTP PLANT EFFLUENT TA

Parameter		Analysis				Analysis	Lab
ID	Name/(MCL)	Result	Unit	Method	MDL	Date	ID
2210	Chloromethane	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2212	Dichlorodifluoromethane	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2214	Bromomethane	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2216	Chloroethane	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2218	Trichlorofluoromethane	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2251	Methyl-tert-butyl-ether	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2408	Dibromomethane	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2410	1,1-dichloropropene	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2412	1,3-dichloropropane	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2413	1,3-dichloropropene	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2414	1,2,3-trichloropropane	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2416	2,2-dichloropropane	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2417	Chloroform	0.0149	MG/L	524.2	< 0.0005	05/08/97	82315
2418	Bromoform	0.0019	MG/L	524.2	< 0.0005	05/08/97	82315
2943	Bromodichloromethane	0.0093	MG/L	524.2	< 0.0005	05/08/97	82315
2944	Dibromochloromethane	0.0066	MG/L	524.2	< 0.0005	05/08/97	82315
2965	o-chlorotoluene	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2966	p-chlorotoluene	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2967	m-dichlorobenzene	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2978	1,1-dichloroethane	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2986	1,1,1,2-tetrachloroethane	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2988	1,1,2,2-tetrachloroethane	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315
2993	Bromobenzene	< 0.0005	MG/L	524.2	< 0.0005	05/08/97	82315

DHRS # 82315

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DHRS E-82179

PWS031 SECONDARY CHEMICAL ANALYSIS 62-550.320 MET

Sample Number: 82506 Submission Number: 9704000311 ST. JOHNS NORTH WTP PLANT EFFLUENT TA

Parameter		Analysis			Analysis	Lab
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u> <u>MDL</u>	<u>Date</u>	<u>ID</u>
1002	Aluminum (0.2)	0.043	MG/L	200.7 < 0.010	05/06/97	82315
1022	Copper (1)	< 0.010	MG/L	SM3111B < 0.010	05/01/97	82315
1028	Iron (0.3)	< 0.05	MG/L	SM3111B < 0.05	05/01/97	82315
1032	Manganese (0.05)	< 0.01	MG/L	SM3111B < 0.01	05/01/97	82315
1050	Silver (0.1)	< 0.020	MG/L	SM3111B < 0.020	05/02/97	82315
1095	Zinc (5)	< 0.05	MG/L	SM3111B < 0.05	05/01/97	82315

DHRS # 82315

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Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PWS031 SECONDARY CHEMICAL ANALYSIS 62-550.320 MIN

Sample Number: 82507 Submission Number: 9704000311 ST. JOHNS NORTH WTP PLANT EFFLUENT TA

Parameter		Analysis			Analysis	Lab
ID	Name/(MCL)	Result	Unit	Method MDL	Date	ID
1017	Chloride (250)	20.8	MG/L	SM4500C < 0.5	05/05/97	82315
1905	Color (15 color units)	< 5	CU	SM2120B < 5	05/01/97	82315
1025	Fluoride (2.0)	0.683	MG/L	SM4500F < 0.1		82315
2905	Foaming Agents (0.5)	< 0.05	MG/L	SM5540C < 0.05	05/01/97	82315
1925	pH (6.5-8.5)	7.08	S.U.	150.1 < 1.0	05/01/97	82315
1055	Sulfate (250)	142	MG/L	375.4 < 1.0	05/05/97	82315
1930	TDS (500)	349	MG/L	SM2540C < 5	05/02/97	82315

DHRS # 82315

**Southeastern Environmental
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Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PWS031 SECONDARY CHEMICAL ANALYSIS 62-550.320 ODOR

Sample Number: 82508 Submission Number: 9704000311 ST. JOHNS NORTH WTP PLANT EFFLUENT TA

Parameter		Analysis			Analysis	Lab	
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>	<u>MDL</u>	<u>Date</u>	<u>ID</u>
1920	Odor (3 threshold odor number)	< 1	OTN	SM2150B	< 1	05/01/97	82315

DHRS # 82315

**Southeastern Environmental
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80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PWS029 PEST & PCB CHEM ANALYSIS 62-550.310(2)(c)

Sample Number: 82509 Submission Number: 9704000311 ST. JOHNS NORTH WTP PLANT EFFLUENT TA

Parameter		Analysis			Analysis		Lab
ID	Name/(MCL)	Result	Unit	Method	MDL	Date	ID
2931	Dibromochloropropane (.2)	< 0.005	UG/L	504	< 0.005	05/10/97	84269
2946	Ethylene dibromide (.02)	< 0.005	UG/L	504	< 0.005	05/10/97	84269
2042	Hexachlorocyclopentadiene (50)	< 0.1	UG/L	505	< 0.1	05/07/97	84269
2035	Di(2-ethylhexyl)adipate (400)	< 1.0	UG/L	525	< 1.0	05/05/97	84269
2039	Di(2-ethylhexyl)phthalate (6)	< 1.0	UG/L	525	< 1.0	05/05/97	84269
2037	Simazine (4)	< 0.1	UG/L	507	< 0.1	05/05/97	84269
2050	Atrazine (3)	< 0.1	UG/L	507	< 0.1	05/05/97	84269
2051	Alachlor (2)	< 0.3	UG/L	507	< 0.3	05/05/97	84269
2005	Endrin (2)	< 0.01	UG/L	508	< 0.01	05/05/97	84269
2010	Lindane (.2)	< 0.01	UG/L	508	< 0.01	05/05/97	84269
2015	Methoxychlor (40)	< 0.02	UG/L	508	< 0.02	05/05/97	84269
2020	Toxaphene (3)	< 0.2	UG/L	508	< 0.2	05/05/97	84269
2065	Heptachlor (.4)	< 0.01	UG/L	508	< 0.01	05/05/97	84269
67	Heptachlor Epoxide (.2)	< 0.01	UG/L	508	< 0.01	05/05/97	84269
2274	Hexachlorobenzene (1)	< 0.01	UG/L	508	< 0.01	05/05/97	84269
2383	PCB's (.5)	< 0.05	UG/L	508	< 0.05	05/05/97	84269
2959	Chlordane (2)	< 0.05	UG/L	508	< 0.05	05/05/97	84269
2031	Dalapon (200)	< 1	UG/L	515.1	< 1	05/08/97	84269
2040	Picloram (500)	< 0.2	UG/L	515.1	< 0.2	05/08/97	84269
2041	Dinoseb (7)	< 0.2	UG/L	515.1	< 0.2	05/08/97	84269
2105	2,4-D (70)	< 0.5	UG/L	515.1	< 0.5	05/08/97	84269
2110	2,4,5-TP (Silvex) (50)	< 0.05	UG/L	515.1	< 0.05	05/08/97	84269
2326	Pentachlorophenol (1)	< 0.05	UG/L	515.1	< 0.05	05/08/97	84269
2036	Oxamyl (Vydate) (200)	< 0.5	UG/L	531.1	< 0.5	05/16/97	84269
2046	Carbofuran (40)	< 0.5	UG/L	531.1	< 0.5	05/16/97	84269
2034	Glyphosate (700)	< 10	UG/L	547	< 10	05/06/97	84269
2033	Endothall (100)	< 10.0	UG/L	548	< 10.0	05/07/97	84269
2032	Diquat (20)	< 1.0	UG/L	549.1	< 1.0	05/05/97	84269
2306	Benzo(a)pyrene (.2)	< 0.01	UG/L	550	< 0.01	05/05/97	84269



Lawton chiles
Governor

James T. Howell, M.D., M.P.H.
Secretary

PUBLIC DRINKING WATER ANALYSIS REPORT

PUBLIC WATER SYSTEM INFORMATION

Public Water System ID Number: 2554345
Public Water System Name: St. Johns North WTP
Public Water System Type:
 Community Non-Community Non-Transient Non-Communit

LABORATORY CERTIFICATION INFORMATION

Laboratory Certification Number: 13186
Parameter Group Analyzed: Radiological

SAMPLE INFORMATION

Laboratory Sample Number: 4316
Sample Date (MMDDYY): 7/28/97 Sample Time: 6:40
Sample Location: St. Johns North WTP Plant Effluent Tap
Sample Type: Check Regular Distribution Composite
 Clearance Maximum Residence Time Plant Tap
 Raw Well Resample
 Special

Sampler Name: R. Riggs
Title: Lab Tech / Sampler
Phone: 904/721-4601

I do HEREBY CERTIFY that all data submitted are correct.

Signature:
Name: Joseph Escalante
Title: Chemist III
Lab: Safe Drinking Water Laboratory
Phone: 407/297-2095, SC 326-2095
Date: 9/2/97

Results to:
Scott Turner
United Water Florida
P. O. Box 8004
Jacksonville, FL 32239
904/721-4643

Copy to:
Lynal DeFalco
Dept. of Environmental Protection
7825 Baymeadows Way, Suite B-200
Jacksonville, FL 32256-7577



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Governor

James T. Howell, M.D., M.P.H.
Secretary

RADIOLOGICAL ANALYSIS

Public Water System ID Number: 2554345

Laboratory Sample Number: 4316

<u>Contam. ID</u>	<u>PARAMETER</u>	<u>Analysis Results (pCi/L)</u>	<u>Analysis Error</u>	<u>Detection Limit</u>	<u>Analytical Method</u>	<u>Analysis Date</u>
4000	Gross Alpha	4.8	1.9	1.1	900.0	8/4/97
4020	Radium-226				903.1	
4030	Radium-228				*Alt	
4400	Natural Uranium				908.0	
4100	Gross Beta				900.0	
4102	Tritium				906.0	
4172	Strontium-89				905.0	
4174	Strontium-90				905.0	
4264	Iodine-131				**Alt	
4270	Cesium-134				901.1	
4276	Cesium-137				901.1	
4142	Cobalt-60				901.1	

NOTE: Methods are from "Prescribed Procedures for Measurement of Radioactivity in Drinking Water," US EPA, EPA-600/4-80-032, unless noted.

*Alternate Approved Procedure: Brooks - Blanchard Method

**Alternate Approved Procedure: Radiochemical Determination of I-131 in Milk and Water

DHRS # 82315

**Southeastern Environmental
Laboratories, Inc.**
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

System Name and Address:

I.D.#: 2554345

ST JOHNS NORTH WTP 1363 BIGLIGE AVE

Type: COMMUNITY

SAMPLE INFORMATION

Sample Date: 04/29/96 Sample Time: 10:30

Sample Location: ST JOHNS NORTH WTP PLANT EFFLUENT TAP

Sampler Name and Phone:

ROBERT RIGGS

Sampler's Signature: Robert Riggs

Check Type(s): DISTRIB ENTRY PT

Comments:

LABORATORY CERTIFICATION INFORMATION

Lab Name: Southeastern Environmental Laboratories, Inc. HRS #: 82315 Expiration Date: 6/30/96

Address: 80 Industrial Loop North Building 5
Orange Park, FL 32073 Phone #: (904)269-6176

Subcontracted Lab HRS #: #84269

ANALYSIS INFORMATION SUBMISSION NUMBER: 9604000342

Date Sample Received: 04/29/96 Group(s) Analyzed & Results attached for compliance with 62-550, F.A.C.:

NO3, NO2, VOC

I, Pamela L. Rivers, do HEREBY CERTIFY that all attached analytical data are correct.

Signature: Pamela L. Rivers

Title: Laboratory Manager

Date: 05/06/96

COMPLIANCE INFORMATION (to be completed by State)

Sample Collection Satisfactory: _____ Sample Analysis Satisfactory: _____

Resample Requested for: _____ Reason: _____

Person notified to resample: _____ Date Notified: _____

DEP/HRS Reviewing Official: _____

DHRS # 82315

**Southeastern Environmental
Laboratories, Inc.**
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

Sample Number: 59615 Submission Number: 9604000342

Parameter		Analysis				Analysis	Lab
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>	<u>MDL</u>	<u>Date</u>	<u>ID</u>
1040	Nitrate (10)	< 0.05	MG/L	353.2	< 0.05	04/30/96	82315

DHRS # 82315

**Southeastern Environmental
Laboratories, Inc.**
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

Sample Number: 59616 Submission Number: 9604000342

Parameter		Analysis			Analysis	Lab	
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>	<u>MDL</u>	<u>Date</u>	<u>ID</u>
1041	Nitrite (1)	< 0.05	MG/L	353.2	< 0.05	04/30/96	82315

DHRS # 82315

Southeastern Environmental
Laboratories, Inc.
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PWS028 VOLATILE ORGANIC ANALYSIS 62-550.310(2)(b)

Sample Number: 59617 Submission Number: 9604000342

Parameter	Analysis	Analysis	Lab				
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>	<u>MDL</u>	<u>Date</u>	<u>ID</u>
2969	Para-dichlorobenzene	< 0.0005	MG/L	524.2	< 0.0005	05/02/96	82315
2378	1,2,4-Trichlorobenzene	< 0.0005	MG/L	524.2	< 0.0005	05/02/96	82315
2380	Cis-1,2-dichloroethylene	< 0.0005	MG/L	524.2	< 0.0005	05/02/96	82315
2955	Xylenes (o)	< 0.0005	MG/L	524.2	< 0.0005	05/02/96	82315
--	Xylenes (m,p)	< 0.0005	MG/L	524.2	< 0.0005	05/02/96	82315
2964	Dichloromethane	< 0.0005	MG/L	524.2	< 0.0005	05/02/96	82315
2968	O-dichlorobenzene	< 0.0005	MG/L	524.2	< 0.0005	05/02/96	82315
2976	Vinyl Chloride	< 0.0005	MG/L	524.2	< 0.0005	05/02/96	82315
2977	1,1-Dichloroethylene	< 0.0005	MG/L	524.2	< 0.0005	05/02/96	82315
2979	Trans-1,2-dichloroethylene	< 0.0005	MG/L	524.2	< 0.0005	05/02/96	82315
2980	1,2-dichloroethane	< 0.0005	MG/L	524.2	< 0.0005	05/02/96	82315
2981	1,1,1-trichloroethane	< 0.0005	MG/L	524.2	< 0.0005	05/02/96	82315
82	Carbon Tetrachloride	< 0.0005	MG/L	524.2	< 0.0005	05/02/96	82315
83	1,2-dichloropropane	< 0.0005	MG/L	524.2	< 0.0005	05/02/96	82315
2984	Trichloroethylene	< 0.0005	MG/L	524.2	< 0.0005	05/02/96	82315
2985	1,1,2-trichloroethane	< 0.0005	MG/L	524.2	< 0.0005	05/02/96	82315
2987	Tetrachloroethylene	< 0.0005	MG/L	524.2	< 0.0005	05/02/96	82315
2989	Monochlorobenzene	< 0.0005	MG/L	524.2	< 0.0005	05/02/96	82315
2990	Benzene	< 0.0005	MG/L	524.2	< 0.0005	05/02/96	82315
2991	Toluene	< 0.0005	MG/L	524.2	< 0.0005	05/02/96	82315
2992	Ethylbenzene	< 0.0005	MG/L	524.2	< 0.0005	05/02/96	82315
2996	Styrene	< 0.0005	MG/L	524.2	< 0.0005	05/02/96	82315



Department of Environmental Protection

Lawton Chiles
Governor

Northeast District
7825 Baymeadows Way, Suite B200
Jacksonville, Florida 32256-7590

Virginia B. Wetherell
Secretary

TO: Mr. Scott Turner
United Water Florida Inc.
Post Office Box 8004
Jacksonville, FL 32239

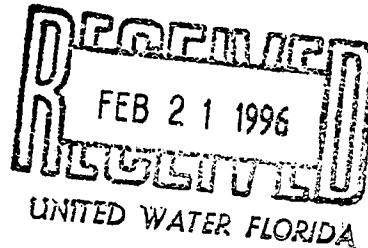
FROM: Vicki Singer

THROUGH: Blanca Rodriguez

DATE: February 20, 1996

SUBJECT: 1996 Chemical Compliance

St. Johns County - PW
St. Johns North Utilities
PWS ID#: 2554345



This letter is to remind you of the chemical analyses due for your water system during the 1996 compliance period.

The following analyses are required for your water system:

1. NITRATE
2. NITRITE
3. VOLATILE ORGANIC CONTAMINANTS (VOCs)

The samples should be taken from each entry point to the distribution (plant effluent) . All samples must be treated water.

These samples must be analyzed by a certified laboratory, a list of some of these labs is enclosed. The results shall be submitted to this office upon completion. Do not rely on the laboratory to submit the results for you. Please keep a copy of these results for your own records.

Please submit these analyses to this office by September 30, 1996, to allow us time to credit them to your system.

If you have any questions, please contact the potable water section at 904-448-4330.

Southeastern Environmental
Laboratories, Inc.
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS # 82315

DHRS E-82179

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

System Name and Address:
VENETIA TERRACE WTP

I.D.#: 2161218

Type: COMMUNITY

SAMPLE INFORMATION

Sample Date: 05/12/97 Sample Time: 09:45
Sample Location: VENETIA TERRACE WPT EFFLUENT TAP
Sampler Name and Phone:
DAVID TEMPLE LAB TECH/SUPERVISOR

Sampler's Signature: David Temple
Check Type(s): DISTRIB ENTRY PT
Comments:

LABORATORY CERTIFICATION INFORMATION

Lab Name: Southeastern Environmental Laboratories, Inc. HRS #: 82315 Expiration Date: 6/30/97
Address: 80 Industrial Loop North Building 5 Phone #: (904)269-6176
Orange Park, FL 32073
Subcontracted Lab HRS #:

ANALYSIS INFORMATION SUBMISSION NUMBER: 9705000098

Date Sample Received: 05/12/97 Group(s) Analyzed & Results attached for
compliance with 62-550, F.A.C.:

INORG, VOC, GRP II UNREG, SEC., PEST/PCB

I do HEREBY CERTIFY that all attached analytical data are correct.

Signature David Temple

Date: 06/05/97

COMPLIANCE INFORMATION (to be completed by State)

Sample Collection Satisfactory: _____ Sample Analysis Satisfactory: _____

Resample Requested for: _____ Reason: _____

Person notified to resample: _____ Date Notified: _____

DEP/HRS Reviewing Official: _____

DHRS # 82315

Southeastern Environmental
Laboratories, Inc.
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PWS030 INORGANIC ANALYSIS 62-550.310(1) METALS

Sample Number: 83268 Submission Number: 9705000098 VENETIA TERRACE WPT EFFLUENT TAP

Parameter		Analysis			Analysis	Lab
ID	Name/(MCL)	Result	Unit	Method MDL	Date	ID
1074	Antimony (0.006)	< 0.003	MG/L	SM3113B < 0.003	05/21/97	82315
1005	Arsenic (0.05)	< 0.005	MG/L	SM3113B < 0.005	05/15/97	82315
1010	Barium (2)	0.022	MG/L	200.7 < 0.010	05/16/97	82315
1075	Beryllium (0.004)	< 0.002	MG/L	200.7 < 0.002	05/19/97	82315
1015	Cadmium (0.005)	< 0.003	MG/L	200.7 < 0.003	05/16/97	82315
1020	Chromium (0.1)	< 0.010	MG/L	200.7 < 0.010	05/16/97	82315
1030	Lead (0.015)	0.002	MG/L	SM3113B < 0.001	05/17/97	82315
1035	Mercury (0.002)	< 0.0005	MG/L	245.1 < 0.005	05/13/97	82315
1036	Nickel (0.1)	< 0.05	MG/L	SM3111B < 0.05	05/13/97	82315
1045	Selenium (0.05)	< 0.002	MG/L	SM3113B < 0.002	05/16/97	82315
1052	Sodium (160)	6.56	MG/L	SM3111B < 0.500	05/16/97	82315
1085	Thallium (0.002)	< 0.001	MG/L	200.9 < 0.001	05/20/97	82315

DHRS # 82315

**Southeastern Environmental
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80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PWS030 INORGANIC ANALYSIS 62-550.310(1) MINERALS

Sample Number: 83269 Submission Number: 9705000098 VENETIA TERRACE WPT EFFLUENT TAP

Parameter		Analysis			Analysis	Lab
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u> <u>MDL</u>	<u>Date</u>	<u>ID</u>
1025	Fluoride (4)	0.507	MG/L	SM4500F < 0.1	05/13/97	82315
1041	Nitrite (1)	< 0.02	MG/L	353.2 < 0.02	05/14/97	82315

DHRS # 82315

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Laboratories, Inc.
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PWS030 INORGANIC ANALYSIS 62-550.310(1) NUTRIENTS

Sample Number: 83270 Submission Number: 9705000098 VENETIA TERRACE WPT EFFLUENT TAP

Parameter		Analysis				Analysis	Lab
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>	<u>MDL</u>	<u>Date</u>	<u>ID</u>
1040	Nitrate (10)	< 0.05	MG/L	353.2	< 0.05	05/14/97	82315

DHRS # 82315

**Southeastern Environmental
Laboratories, Inc.**
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

Sample Number: 83271 Submission Number: 9705000098 VENETIA TERRACE WPT EFFLUENT TAP

Parameter		Analysis			Analysis	Lab
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u> <u>MDL</u>	<u>Date</u>	<u>ID</u>
1024	Cyanide (0.2)	< 0.02	MG/L	SM4500C < 0.02	05/16/97	82315

DHRS # 82315

Southeastern Environmental
Laboratories, Inc.
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PWS028 VOLATILE ORGANIC ANALYSIS 62-550.310(2)(b)

Sample Number: 83272 Submission Number: 9705000098 VENETIA TERRACE WPT EFFLUENT TAP

Parameter		Analysis				Analysis	Lab
ID	Name/ (MCL)	Result	Unit	Method	MDL	Date	ID
2969	Para-dichlorobenzene	< 0.0005	MG/L	524.2	< 0.0005	05/20/97	82315
2378	1,2,4-Trichlorobenzene	< 0.0005	MG/L	524.2	< 0.0005	05/20/97	82315
2380	Cis-1,2-dichloroethylene	< 0.0005	MG/L	524.2	< 0.0005	05/20/97	82315
2955	Xylenes (o)	< 0.0005	MG/L	524.2	< 0.0005	05/20/97	82315
--	Xylenes (m,p)	< 0.0005	MG/L	524.2	< 0.0005	05/20/97	82315
2964	Dichloromethane	< 0.0005	MG/L	524.2	< 0.0005	05/20/97	82315
2968	O-dichlorobenzene	< 0.0005	MG/L	524.2	< 0.0005	05/20/97	82315
2976	Vinyl Chloride	< 0.0005	MG/L	524.2	< 0.0005	05/20/97	82315
2977	1,1-Dichloroethylene	< 0.0005	MG/L	524.2	< 0.0005	05/20/97	82315
2979	Trans-1,2-dichloroethylene	< 0.0005	MG/L	524.2	< 0.0005	05/20/97	82315
2980	1,2-dichloroethane	< 0.0005	MG/L	524.2	< 0.0005	05/20/97	82315
2981	1,1,1-trichloroethane	< 0.0005	MG/L	524.2	< 0.0005	05/20/97	82315
2982	Carbon Tetrachloride	< 0.0005	MG/L	524.2	< 0.0005	05/20/97	82315
2983	1,2-dichloropropane	< 0.0005	MG/L	524.2	< 0.0005	05/20/97	82315
2984	Trichloroethylene	< 0.0005	MG/L	524.2	< 0.0005	05/20/97	82315
2985	1,1,2-trichloroethane	< 0.0005	MG/L	524.2	< 0.0005	05/20/97	82315
2987	Tetrachloroethylene	< 0.0005	MG/L	524.2	< 0.0005	05/20/97	82315
2989	Monochlorobenzene	< 0.0005	MG/L	524.2	< 0.0005	05/20/97	82315
2990	Benzene	< 0.0005	MG/L	524.2	< 0.0005	05/20/97	82315
2991	Toluene	< 0.0005	MG/L	524.2	< 0.0005	05/20/97	82315
2992	Ethylbenzene	< 0.0005	MG/L	524.2	< 0.0005	05/20/97	82315
2996	Styrene	< 0.0005	MG/L	524.2	< 0.0005	05/20/97	82315

DHRS # 82315

**Southeastern Environmental
Laboratories, Inc.**
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PWS031 SECONDARY CHEMICAL ANALYSIS 62-550.320 MET

Sample Number: 83273 Submission Number: 9705000098 VENETIA TERRACE WPT EFFLUENT TAP

Parameter		Analysis			Analysis	Lab
ID	Name/(MCL)	Result	Unit	Method MDL	Date	ID
1002	Aluminum (0.2)	< 0.010	MG/L	200.7 < 0.010	05/19/97	82315
1022	Copper (1)	0.011	MG/L	SM3111B < 0.010	05/14/97	82315
1028	Iron (0.3)	< 0.05	MG/L	SM3111B < 0.05	05/16/97	82315
1032	Manganese (0.05)	< 0.01	MG/L	SM3111B < 0.01	05/16/97	82315
1050	Silver (0.1)	< 0.020	MG/L	SM3111B < 0.020	05/14/97	82315
1095	Zinc (5)	< 0.05	MG/L	SM3111B < 0.05	05/13/97	82315

DHRS # 82315

Southeastern Environmental
Laboratories, Inc.
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PWS031 SECONDARY CHEMICAL ANALYSIS 62-550.320 MIN

Sample Number: 83274 Submission Number: 9705000098 VENETIA TERRACE WPT EFFLUENT TAP

Parameter		Analysis				Analysis	Lab
ID	Name/(MCL)	Result	Unit	Method	MDL	Date	ID
1017	Chloride (250)	12.3	MG/L	SM4500C	< 0.5	05/13/97	82315
1905	Color (15 color units)	< 5	CU	SM2120B	< 5	05/12/97	82315
1025	Fluoride (2.0)	0.507	MG/L	SM4500F	< 0.1	05/13/97	82315
2905	Foaming Agents (0.5)	< 0.05	MG/L	SM5540C	< 0.05	05/12/97	82315
1925	pH (6.5-8.5)	7.35	S.U.	150.1	< 1.0	05/12/97	82315
1055	Sulfate (250)	64.0	MG/L	375.4	< 1.0	05/14/97	82315
1930	TDS (500)	232	MG/L	SM2540C	< 5	05/13/97	82315

DHRS # 82315

**Southeastern Environmental
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Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PWS031 SECONDARY CHEMICAL ANALYSIS 62-550.320 ODOR

Sample Number: 83275 Submission Number: 9705000098 VENETIA TERRACE WPT EFFLUENT TAP

Parameter		Analysis			Analysis	Lab	
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>	<u>MDL</u>	<u>Date</u>	<u>ID</u>
1920	Odor (3 threshold odor number)	< 1	OTN	SM2150B	< 1	05/12/97	82315

DHRS # 82315

**Southeastern Environmental
Laboratories, Inc.**
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PWS029 PEST & PCB CHEM ANALYSIS 62-550.310(2)(c)

Sample Number: 83276 Submission Number: 9705000098 VENETIA TERRACE WPT EFFLUENT TAP

Parameter		Analysis			Analysis	Lab	
ID	Name/(MCL)	Result	Unit	Method	MDL	Date	ID
2931	Dibromochloropropane (.2)	< 0.005	UG/L	504	< 0.005	05/20/97	84269
2946	Ethylene dibromide (.02)	< 0.005	UG/L	504	< 0.005	05/20/97	84269
2042	Hexachlorocyclopentadiene (50)	< 0.1	UG/L	505	< 0.1	05/21/97	84269
2035	Di(2-ethylhexyl)adipate (400)	< 1.0	UG/L	506	< 1.0	05/14/97	84269
2039	Di(2-ethylhexyl)phthalate (6)	< 1.0	UG/L	506	< 1.0	05/14/97	84269
2037	Simazine (4)	< 0.1	UG/L	507	< 0.1	05/14/97	84269
2050	Atrazine (3)	< 0.1	UG/L	507	< 0.1	05/14/97	84269
2051	Alachlor (2)	< 0.3	UG/L	507	< 0.3	05/14/97	84269
2005	Endrin (2)	< 0.01	UG/L	508	< 0.01	05/14/97	84269
2010	Lindane (.2)	< 0.01	UG/L	508	< 0.01	05/14/97	84269
2015	Methoxychlor (40)	< 0.02	UG/L	508	< 0.02	05/14/97	84269
2020	Toxaphene (3)	< 0.2	UG/L	508	< 0.2	05/14/97	84269
2065	Heptachlor (.4)	< 0.01	UG/L	508	< 0.01	05/14/97	84269
2067	Heptachlor Epoxide (.2)	< 0.01	UG/L	508	< 0.01	05/14/97	84269
2274	Hexachlorobenzene (1)	< 0.01	UG/L	508	< 0.01	05/14/97	84269
2383	PCB's (.5)	< 0.05	UG/L	508	< 0.05	05/14/97	84269
2959	Chlordane (2)	< 0.05	UG/L	508	< 0.05	05/14/97	84269
2031	Dalapon (200)	< 1	UG/L	515.1	< 1	05/16/97	84269
2040	Picloram (500)	< 0.2	UG/L	515.1	< 0.2	05/16/97	84269
2041	Dinoseb (7)	< 0.2	UG/L	515.1	< 0.2	05/16/97	84269
2105	2,4-D (70)	< 0.5	UG/L	515.1	< 0.5	05/16/97	84269
2110	2,4,5-TP (Silvex) (50)	< 0.05	UG/L	515.1	< 0.05	05/16/97	84269
2326	Pentachlorophenol (1)	< 0.05	UG/L	515.1	< 0.05	05/16/97	84269
2036	Oxamyl (Vydate) (200)	< 0.5	UG/L	531.1	< 0.5	05/22/97	84269
2046	Carbofuran (40)	< 0.5	UG/L	531.1	< 0.5	05/22/97	84269
2034	Glyphosate (700)	< 10	UG/L	547	< 10	05/14/97	84269
2033	Endothall (100)	< 10.0	UG/L	548	< 10.0	05/14/97	84269
2032	Diquat (20)	< 1.0	UG/L	549.1	< 1.0	05/19/97	84269
2306	Benzo(a)pyrene (.2)	< 0.01	UG/L	550	< 0.01	05/14/97	84269

DHRS # 82315

**Southeastern Environmental
Laboratories, Inc.**
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PWS034 UNREGULATED GROUP II ANALYSIS 62-550.410

Sample Number: 83277 Submission Number: 9705000098 VENETIA TERRACE WPT EFFLUENT TAP

Parameter		Analysis			Analysis	Lab	
ID	Name/(MCL)	Result	Unit	Method	MDL	Date	ID
2210	Chloromethane	< 0.0005	MG/L	524.2	< 0.0005	05/20/97	82315
2212	Dichlorodifluoromethane	< 0.0005	MG/L	524.2	< 0.0005	05/20/97	82315
2214	Bromomethane	< 0.0005	MG/L	524.2	< 0.0005	05/20/97	82315
2216	Chloroethane	< 0.0005	MG/L	524.2	< 0.0005	05/20/97	82315
2218	Trichlorofluoromethane	< 0.0005	MG/L	524.2	< 0.0005	05/20/97	82315
2251	Methyl-tert-butyl-ether	< 0.0005	MG/L	524.2	< 0.0005	05/20/97	82315
2408	Dibromomethane	< 0.0005	MG/L	524.2	< 0.0005	05/20/97	82315
2410	1,1-dichloropropene	< 0.0005	MG/L	524.2	< 0.0005	05/20/97	82315
2412	1,3-dichloropropane	< 0.0005	MG/L	524.2	< 0.0005	05/20/97	82315
2413	1,3-dichloropropene	< 0.0005	MG/L	524.2	< 0.0005	05/20/97	82315
2414	1,2,3-trichloropropane	< 0.0005	MG/L	524.2	< 0.0005	05/20/97	82315
2416	2,2-dichloropropane	< 0.0005	MG/L	524.2	< 0.0005	05/20/97	82315
2417	Chloroform	0.0045	MG/L	524.2	< 0.0005	05/20/97	82315
2418	Bromoform	< 0.0005	MG/L	524.2	< 0.0005	05/20/97	82315
2943	Bromodichloromethane	0.0027	MG/L	524.2	< 0.0005	05/20/97	82315
2944	Dibromochloromethane	0.0014	MG/L	524.2	< 0.0005	05/20/97	82315
2965	o-chlorotoluene	< 0.0005	MG/L	524.2	< 0.0005	05/20/97	82315
2966	p-chlorotoluene	< 0.0005	MG/L	524.2	< 0.0005	05/20/97	82315
2967	m-dichlorobenzene	< 0.0005	MG/L	524.2	< 0.0005	05/20/97	82315
2978	1,1-dichloroethane	< 0.0005	MG/L	524.2	< 0.0005	05/20/97	82315
2986	1,1,1,2-tetrachloroethane	< 0.0005	MG/L	524.2	< 0.0005	05/20/97	82315
2988	1,1,2,2-tetrachloroethane	< 0.0005	MG/L	524.2	< 0.0005	05/20/97	82315
2993	Bromobenzene	< 0.0005	MG/L	524.2	< 0.0005	05/20/97	82315



Lawton chiles
Governor

James T. Howell, M.D., M.P.H.
Secretary

PUBLIC DRINKING WATER ANALYSIS REPORT

PUBLIC WATER SYSTEM INFORMATION

Public Water System ID Number: 2161218
Public Water System Name: Venetia Terrace WTP
Public Water System Type:
 Community Non-Community Non-Transient Non-Communit

LABORATORY CERTIFICATION INFORMATION

Laboratory Certification Number: 13186
Parameter Group Analyzed: Radiological

SAMPLE INFORMATION

Laboratory Sample Number: 4310
Sample Date (MMDDYY): 7/28/97 Sample Time: 12:45
Sample Location: Venetia Terrace WTP Plant Effluent Tap
Sample Type: Check Regular Distribution Composite
 Clearance Maximum Residence Time Plant Tap
 Raw Well Resample
 Special

Sampler Name: David Temple
Title: Lab Tech / Sampler
Phone: 904/721-4601

I do HEREBY CERTIFY that all data submitted are correct.

Signature:
Name: Joseph Escalante
Title: Chemist III
Lab: Safe Drinking Water Laboratory
Phone: 407/297-2095, SC 326-2095
Date: 9/2/97

Results to:
Scott Turner
United Water Florida
P. O. Box 8004
Jacksonville, FL 32239
904/721-4643

Copy to:
Lynal DeFalco
Dept. of Environmental Protection
7825 Baymeadows Way, Suite B-200
Jacksonville, FL 32256-7577

Southeastern Environmental
Laboratories, Inc.
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS # 82315

DHRS E-82179

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

System Name and Address: VENETIA TERRACE WTP 5190 ENSIGN DR
I.D.#: 2161218

Type: COMMUNITY

SAMPLE INFORMATION

Sample Date: 04/25/96 Sample Time: 11:05
Sample Location: VENETIA TERRACE WTP
Sampler Name and Phone:
DAVID TEMPLE

Sampler's Signature: *David Temple*
Check Type(s): DISTRIB ENTRY PT
Comments:

LABORATORY CERTIFICATION INFORMATION

Lab Name: Southeastern Environmental HRS #: 82315 Expiration Date: 6/30/96
Laboratories, Inc.
Address: 80 Industrial Loop North Phone #: (904)269-6176
Building 5
Orange Park, FL 32073
Subcontracted Lab HRS #:

ANALYSIS INFORMATION SUBMISSION NUMBER: 9604000290

Date Sample Received: 04/25/96 Group(s) Analyzed & Results attached for
compliance with 62-550, F.A.C.:

NO3, NO2

I, Pamela L. Rivers, do HEREBY CERTIFY that all attached analytical data are
correct.

Signature: *Pamela L. Rivers*

Title: Laboratory Manager Date: 05/08/96

COMPLIANCE INFORMATION (to be completed by State)

Sample Collection Satisfactory: _____ Sample Analysis Satisfactory: _____

Resample Requested for: _____ Reason: _____

Person notified to resample: _____ Date Notified: _____

DEP/HRS Reviewing Official: _____

DHRS # 82315

**Southeastern Environmental
Laboratories, Inc.**
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

Sample Number: 59444 Submission Number: 9604000290

Parameter		Analysis				Analysis	Lab
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>	<u>MDL</u>	<u>Date</u>	<u>ID</u>
1040	Nitrate (10)	< 0.05	MG/L	353.2	< 0.05	04/26/96	82315

DHRS # 82315

**Southeastern Environmental
Laboratories, Inc.**
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

Sample Number: 59445 Submission Number: 9604000290

Parameter		Analysis			Analysis	Lab	
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>	<u>MDL</u>	<u>Date</u>	<u>ID</u>
1041	Nitrite (1)	< 0.05	MG/L	353.2	< 0.05	04/26/96	82315

DHRS # 82315

Southeastern Environmental
Laboratories, Inc.
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

System Name and Address: YULEE AMOCO WTP, RT 3, BOX 488, YULEE, FL
I.D.#: 2454310

Type: NON-COMMUNITY

SAMPLE INFORMATION

Sample Date: 04/21/97 Sample Time: 09:00
Sample Location: YULEE AMOCO WTP PLANT EFF TAP
Sampler Name and Phone:
DAVID TEMPLE, LAB TECH/SAMPLER 904-721-4601

Sampler's Signature: David Temple

Check Type(s): DISTRIB ENTRY PT

Comments:

LABORATORY CERTIFICATION INFORMATION

Lab Name: Southeastern Environmental Laboratories, Inc. HRS #: 82315 Expiration Date: 6/30/97
Address: 80 Industrial Loop North Building 5 Orange Park, FL 32073 Phone #: (904)269-6176
Subcontracted Lab HRS #:

ANALYSIS INFORMATION SUBMISSION NUMBER: 9704000185

Date Sample Received: 04/21/97 Group(s) Analyzed & Results attached for compliance with 62-550,F.A.C.:

NO3,NO2

I do HEREBY CERTIFY that all attached analytical data are correct.

Signature Chad B. ...

Date: 04/24/97

COMPLIANCE INFORMATION (to be completed by State)

Sample Collection Satisfactory: _____ Sample Analysis Satisfactory: _____

Resample Requested for: _____ Reason: _____

Person notified to resample: _____ Date Notified: _____

DEP/HRS Reviewing Official: _____

DHRS # 82315

**Southeastern Environmental
Laboratories, Inc.**
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

Sample Number: 81865 Submission Number: 9704000185 YULEE AMOCO WTP PLANT EFF TAP

Parameter		Analysis				Analysis	Lab
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>	<u>MDL</u>	<u>Date</u>	<u>ID</u>
1040	Nitrate (10)	< 0.05	MG/L	353.2	< 0.05	04/23/97	82315

DHRS # 82315

**Southeastern Environmental
Laboratories, Inc.**
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

Sample Number: 81866 Submission Number: 9704000185 YULEE AMOCO WTP PLANT EFF TAP

Parameter		Analysis				Analysis	Lab
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>	<u>MDL</u>	<u>Date</u>	<u>ID</u>
1041	Nitrite (1)	< 0.02	MG/L	353.2	< 0.02	04/23/97	82315

DHRS # 82315

**Southeastern Environmental
Laboratories, Inc.**
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

System Name and Address:

I.D.#: 2454310

YULEE AMOCO WTP RT 3 BOX 488 YULEE, FL

Type: NON-TRAN NON-COM

SAMPLE INFORMATION

Sample Date: 04/25/96 Sample Time: 10:00

Sample Location: YULEE AMOCO WTP PLANT EFFLUENT TAP

Sampler Name and Phone:

DAVID TEMPLE

Sampler's Signature:



Check Type(s):

Comments:

LABORATORY CERTIFICATION INFORMATION

Lab Name: Southeastern Environmental Laboratories, Inc. HRS #: 82315 Expiration Date: 6/30/96

Address: 80 Industrial Loop North Building 5
Orange Park, FL 32073

Subcontracted Lab HRS #:

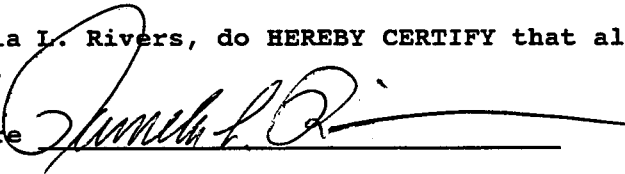
ANALYSIS INFORMATION SUBMISSION NUMBER: 9604000288

Date Sample Received: 04/25/96 Group(s) Analyzed & Results attached for compliance with 62-550, F.A.C.:

NO3, NO2

I, Pamela L. Rivers, do HEREBY CERTIFY that all attached analytical data are correct.

Signature



Title: Laboratory Manager

Date: 05/08/96

COMPLIANCE INFORMATION (to be completed by State)

Sample Collection Satisfactory: _____ Sample Analysis Satisfactory: _____

Resample Requested for: _____ Reason: _____

Person notified to resample: _____ Date Notified: _____

DEP/HRS Reviewing Official: _____

DHRS # 82315

**Southeastern Environmental
Laboratories, Inc.**
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

Sample Number: 59440 Submission Number: 9604000288

Parameter		Analysis				Analysis	Lab
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>	<u>MDL</u>	<u>Date</u>	<u>ID</u>
1040	Nitrate (10)	< 0.05	MG/L	353.2	< 0.05	04/26/96	82315

DHRS # 82315

**Southeastern Environmental
Laboratories, Inc.**
80 Industrial Loop North, Building 5
Orange Park, FL 32073
(904) 269-6176

DHRS E-82179

Sample Number: 59441 Submission Number: 9604000288

Parameter		Analysis				Analysis	Lab
<u>ID</u>	<u>Name/(MCL)</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>	<u>MDL</u>	<u>Date</u>	<u>ID</u>
1041	Nitrite (1)	< 0.05	MG/L	353.2	< 0.05	04/26/96	82315