### PEACE RIVER MANASOTA REGIONAL WATER SUPPLY AUTHORITY

Serving the Citizens of Charlotte, DeSoto, Manatee & Sarasota Counties since 1982

HON. DICK LOFTUS CHARLOTTE COUNTY

HON. JERRY G. HILL DESOTO COUNTY

HON. JOHN R. CHAPPIE MANATEE COUNTY

Aqua Utilities Florida

North Port Utilities

DEP Tampa
DEP Ft Myers

**Charlotte County Utilities** 

**Desoto County Utilities** 

Sarasota County Utilities

HON. SHANNON STAUB SARASOTA COUNTY

PATRICK J. LEHMAN, P.E., EXECUTIVE DIRECTOR

### **MEMORANDUM**

February 1, 2010

TO:

Patrick Farris

Steve Kipfinger

Jerry Manning Chris Rogers Vern Hall

Ed Watson James Oni

FROM:

Sam Stone

RE:

Annual Water Quality Data for the Consumer Confidence Report

Calendar Year 2009

Enclosed is the water quality data, collected by the Authority, for the Consumer Confidence Report / Calendar Year 2009. In addition to the water quality data, the Authority has included information about our source water, and the FDEP Source Water Assessment Project.

This submittal is generic in content, so that one version can be distributed to all the Authority's wholesale customers. This submittal contains all the required data that meets the rule criteria for the reporting year 2009. Also the Authority elected to include all contaminants, even though they are not required to be reported.

Should you require additional information about this submittal please contact me by phone at 863-491-7567 or email sstone@regionalwater.org.

xc: Mike Coates

### ANNUAL DRINKING WATER QUALITY DATA For THE CONSUMMER CONFIDENCE REPORT

### **CALENDAR YEAR 2009**

Prepared By
The Peace River Manasota Regional Water Supply Authority
For The Following Utilities Served

AQUA UTILITIES FLORIDA
CHARLOTTE COUNTY UTILITIES
DESOTO COUNTY UTILITIES
NORTH PORT UTILITIES
SARASOTA COUNTY UTILITIES

February 1, 2009

### SOURCE OF SUPPLY

The Peace River Manasota Regional Water Supply Authority (Authority), uses as its source of supply, surface water from the Peace River. The Peace River is a large river by Florida standards, having a drainage area of 2300 square miles. The Peace River headwaters originate in the Green Swamp of northern Polk County, flowing through Lake Hancock, Winter Haven chain of lakes, and Lake Hamilton. The mouth of the Peace River is located at Punta Gorda, 120 miles downstream from the headwaters, delivering needed fresh water to the Charlotte Harbor estuary.

The Florida Department of Environmental Protection has conducted Source Water Assessments for all public water systems in Florida. These assessments will identify and assess any potential sources of contamination in the vicinity of your water supply. A Source Water Assessment Report for our system was completed in 2005 and is available at the DEP Source Water Assessment and Protection Program web site: <a href="http://www.dep.state.fl.us/swapp">http://www.dep.state.fl.us/swapp</a>

### **Water Treatment Information**

The Peace River Regional Water Supply Facility (Facility) is authorized to withdraw water from the Peace River by a water use permit issued by the Southwest Florida Water Management District. This permit includes a diversion schedule that determines when withdrawals can occur and the amount of river water that can be withdrawn by the Facility. When the river flow is high during the wet season the Facility will withdraw river water and store that water in an off-stream surface water reservoir. During dry periods the Facility will rely on stored reserves from the reservoir. The Facility pumps water from the reservoir on a daily basis for treatment and distribution to the public. The treatment process includes the addition of powered carbon for the removal of algal taste and odor compounds, followed by color removal (coagulation and sedimentation) with alum, disinfection with chlorine and chloramines, filtration by rapid rate multi-media filters and pH adjustment with caustic soda before being distributed to the public.

### **UTILITY OWNER INFORMATION**

If you have any questions about drinking water quality, provided by the Peace River Manasota Regional Water Supply Authority (Authority) in this Consumer Confidence Report, Annual Drinking Water Quality Data please contact Samuel S. Stone, Environmental Affairs Coordinator by phone at 863-491-7567 or by e-mail at sstone@regionalwater.org. We want our valued customers to be informed about their water utility. If you want to learn more, please attend any of our regularly scheduled Board of Directors meetings. These meetings are typically held on the first Wednesday of each month. The meeting locations rotate between the County Commission Chambers of Charlotte, Desoto, Manatee, or Sarasota Counties at 9:30 am. For information on a specific meeting, please contact the Authority Administrative office by phone at 941-316-1776 or log on to our web site at <a href="https://www.regionalwater.org">www.regionalwater.org</a>

### DATA PERIOD

The Peace River Manasota Regional Water Supply Authority, routinely monitors for constituents in your drinking water, according to Federal and State regulations. The following document provides water quality test results for the period of January 1<sup>st</sup> to December 31<sup>st</sup>, 2009. These same regulations require monitoring to occur in 9 year compliance cycles, made up of three, three year compliance periods. These three year compliance periods result in some contaminants being monitored once every three years, and may require some contaminant test results to be reported in this document from years other than calendar year 2009.

All drinking water, including bottled drinking water, may be reasonably expected to contain at least small amounts of some constituents. It's important to remember, that the presence of these constituents does not necessarily pose a health risk.

Please note that it is not required, but the Authority has provided all chemical contaminant test results during this period.

### PRIMARY INORGANIC CONTAMINANTS

These contaminants are required to be tested annually. Test results are for the period 1/1/09 - 12/31/09. Test results for the above contaminants resulted in **no violations**. Please note that Fluoride is a listed contaminant under the Primary Inorganic Contaminant list and the Secondary Drinking Water Standards list. Results for Fluoride therefore, is listed in the secondary drinking water standards section and this section of the report.

Note 1. During calendar year 2009 the primary inorganics were collected twice meeting the requirements of both the Peace River Facility compliance monitoring and the requirements contained in the DEP ASR construction permit.

Note 2. If Arsenic levels are above the MCL then special health effects language is required.

EnviroAnalytical Inc.



FDOH Certification #E84167

Peace River/Manasota R W S

Arcadia, FI 34269 8998 Sw County Road 769

> THESE RESULTS MEET NELAC STANDARDS ANALYTICAL TEST REPORT

REPORT NUMBER: SYSTEM NAME: SYSTEM ID:

9010485

6142734

Finished Entry Point

### NORGANIC ANALYSIS

62-550.310 (1)

1085	1075	1074	1052	1045	1036	1035	1030	1025	1024	1020	1015	1010	1005	1038	1041	I.D. 1040	
THALLIUM	BERYLLIUM	ANTIMONY	SODIUM	SELENIUM	NICKEL	MERCURY	LEAD	FLUORIDE	CYANIDE	CHROMIUM	CADMIUM	BARIUM	ARSENIC	NITRATE+NITRITE AS N	NITRITE NITROGEN	NAME NITRATE NITROGEN	Parameter
0.002	0.004	0.006	160	0.05	0.1	0.002	0.015	4.0	0.2	0.1	0.005	2	0.010	10		(MCL)	
MG/L	MG/L	UNITS MG/L															
0.00169	0.000078	0.00226	102	0.00157	0.002	0.000198	0.00067	0.262	0.0070	0.002	0.0009	0.027	0.00132	0.237	0.004	<b>RESULT</b> 0.233	ANALYSIS
C	C	C		C	-	C	C			_	C		C		_	QUALIFIER	
200.9	200.7	SM3113B	200.7	SM3113B	200.7	245.1	SM3113B	300.0	335.4	200.7	200.7	200.7	SM3113B	353.2	353.2	<b>METHOD</b> 353.2	
0.00169	0.000078	0.00226	0.034	0.00157	0.00118	0.000198	0.00067	0.030	0.0028	0.002	0.0009	0.002	0.00132	0.004	0.003	<b>MDL</b> 0.004	
01/23/2009	01/21/2009	01/26/2009	01/22/2009	01/26/2009	01/21/2009	01/21/2009	01/21/2009	01/21/2009	01/27/2009	01/21/2009	01/21/2009	01/21/2009	01/22/2009	01/16/2009	01/16/2009	<b>ANALYZED</b> 01/16/2009	DATE
10:00	12:17	14:53	11:50	11:14	12:17	13:45	13:38	15:00	11:56	12:17	12:17	12:17	11:25	10:00	10:29	ANALYZED 10:29	TIME
E84167	E83079	E84167	E84167	E84167	E84167	E84167	E84167	<b>LAB ID</b> E84167									

### DATA QUALIFIERS THAT MAY APPLY:

I = Reported value is between the laboratory MDL and the PQL (PQL = 4 x MDL), U = Analyte analyzed but not detected at the value indicated. X = Value exceeds MCL.

MBAS calculated as LAS; molecular weight = 348

NOTES:

For questions and comments regarding these results, please contact Bettina Beilfuss at (941) 723-9986

Results relate only to the samples.

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### 62-550.310 (1) NORGANIC ANALYSIS

### CORRECTED REPORT SEE ATTACHED NOTES

REPORT NUMBER: SYSTEM NAME: Point Of Entry 9070431

SYSTEM ID: 6142734

1085	1075	1074	1052	1045	1036	1035	1030	1025	1024	1020	1015	1010	1005	1038	1041	1.D. 1040	
THALLIUM	BERYLLIUM	ANTIMONY	SODIUM	SELENIUM	NICKEL	MERCURY	LEAD	FLUORIDE	CYANIDE	CHROMIUM	CADMIUM	BARIUM	ARSENIC	NITRATE+NITRITE AS N	NITRITE NITROGEN	NAME NITRATE NITROGEN	Parameter
0.002	0.004	0.006	160	0.05	0.1	0.002	0.015	4.0	0.2	0.1	0.005	2	0.010	10		(MCL)	
MG/L	MĠ/L	MG/L	MG/L	UNITS MG/L	<b>*</b>												
0.00169	0.000078	0.00226	66.4	0.00157	0.00118	0.000198	0.00067	0.333	0.0062	0.002	0.0009	0.019	0.00132	0.380	0.013	<b>RESULT</b> 0.367	ANALYSIS
C	C	C		С	C	C	C		_	C	C					QUALIFIER	
200.9	200.7	SM3113B	200.7	SM3113B	200.7	245.1	SM3113B	300.0	335.4	200.7	200.7	200.7	SM3113B	353.2	353.2	<b>METHOD</b> 353.2	
0.00169	0.000078	0.00226	0.034	0.00157	0.00118	0.000198	0.00067	0.030	0.0050	0.002	0.0009	0.002	0.00132	0.050	0.003	<b>MDL</b> 0.050	
07/22/2009	07/16/2009	07/21/2009	07/16/2009	07/21/2009	07/16/2009	07/16/2009	07/14/2009	07/15/2009	07/27/2009	07/16/2009	07/16/2009	07/17/2009	07/15/2009	07/14/2009	07/13/2009	<b>ANALYZED</b> 07/13/2009	DATE
13:33	12:52	14:32	12:52	13:05	12:52	15:00	15:19	13:00	14:39	12:52	12:52	12:02	13:41	10:30	16:48	ANALYZED 16:48	TIME
E84167	E83079	E84167	E84167	E84167	E84167	E84167	E84167	<b>LAB ID</b> E84167									

### DATA QUALIFIERS THAT MAY APPLY:

NOTES:

MBAS calculated as LAS; molecular weight = 348. The client needs Dioxin reported in mg/L not pg/L.

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I = Reported value is between the laboratory MDL and the PQL. (PQL = 4 x MDL).

J4 = Est value. Sample matrix interference suspected.

O = Sample held beyond accepted holdtime.

U = Analyte analyzed but not detected at the value indicated.

X = Value exceeds MCL.

Results relate only to the samples. For questions and comments regarding these results, please contact Bettina Beilfuss at (941) 723-9986

### **VOLATILE ORGANIC CONTAMINANTS**

These contaminants are required to be tested quarterly at the beginning of <u>each</u> 9 year cycle (2002) and subsequently tested annually. Test results are for the period 1/1/09 - 12/31/09. Test results for the above contaminants resulted in <u>no violations</u>.

Note 1. During calendar year 2009 the volatile organic contaminants were collected twice meeting the requirements of both the Peace River Facility compliance monitoring and the requirements contained in the DEP ASR construction permit.

### VOLATILE ORGANICS

62-550.310 (4) (A)

REPORT NUMBER: SYSTEM NAME: SYSTEM ID: Finished Entry Point 6142734 9010485

2996	2992	2991	2991	2990	2989	2987	2985	2984	2983	2982	2981	2980	2979	2977	2976	2969	2968	2964	2380	I.D. 2378	
STYRENE	ETHYLBENZENE	TOTAL XYLENES	TOLUENE	BENZENE	MONOCHLOROBENZENE	TETRACHLOROETHENE	1,1,2-TRICHLOROETHANE	TRICHLOROETHENE	1,2-DICHLOROPROPANE	CARBON TETRACHLORIDE	1,1,1-TRICHLOROETHANE	1,2-DICHLOROETHANE	TRANS-1,2-DICHLOROETHENE	1,1-DICHLOROETHENE	VINYL CHLORIDE	P-DICHLOROBENZENE	O-DICHLOROBENZENE	DICHLOROMETHANE	CIS-1,2-DICHLOROETHENE	NAME 1,2,4-TRICHLOROBENZENE	Parameter
100	700	10000*	1000		100	ω	ഗ	ω	(Ji	ω	200	ω	100	7	>	75	600	<b>5</b> π	70	(MCL)	
UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	· JOG/L:	UG/L	US/L	
0.25	0.35	0.50	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.32	0.25	RESULT 0.25	ANALYSIS
С	C	C	С	С	C	C	С	C	C	C	C	C	С	С	C	C	С	C	C	QUALIFIER U	
524.2	524.2	524.2	524.2	524.2	524:2	524.2	524.2	524.2	524.2	524.2	524.2	524.2	524.2	524.2	524.2	524.2	524.2	524.2	524.2	METHOD 524.2	
0.25	0.35	0.50	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.32	0.25	<b>MDL</b> 0.25	
01/20/2009	01/20/2009	01/20/2009	01/20/2009	01/20/2009	01/20/2009	01/20/2009	01/20/2009	01/20/2009	01/20/2009	01/20/2009	01/20/2009	01/20/2009	01/20/2009	01/20/2009	01/20/2009	01/20/2009	01/20/2009	01/20/2009	01/20/2009	<b>ANALYZED</b> 01/20/2009	DATE
06:55	06:55	06:55	06:55	06:55	06:55	06:55	06:55	06:55	06:55	06:55	06:55	06:55	06:55	06:55	06:55	06:55	06:55	06:55	06:55	ANALYZED 06:55	TIME
E83079	E83079	E83079	E83079	E83079	E83079	E83079	E83079	E83079	E83079	E83079	E83079	E83079	E83079	E83079	E83079	E83079	E83079	E83079	E83079	E83079	· ) ;

DATA QUALIFIERS THAT MAY APPLY:

NOTES:
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Results relate only to the samples. For questions and comments regarding these results, please contact Bettina Beilfuss at (941) 723-9986

9010485

Page 2 of 4

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### VOLATILE ORGANICS

62-550.310 (4) (A)

### CORRECTED REPORT SEE ATTACHED NOTES

REPORT NUMBER: 9070431

SYSTEM NAME: Point Of Entry

SYSTEM ID: 6142734

2996	2992	2991	2990	2989	2987	2985	2984	2983	2982	2981	2980	2979	2977	2976	2969	2968	2964	2955	2380	I.D. 2378	
STYRENE	ETHYLBENZENE	TOLUENE	BENZENE	MONOCHLOROBENZENE	TETRACHLOROETHENE	1,1,2-TRICHLOROETHANE	TRICHLOROETHENE	1,2-DICHLOROPROPANE	CARBON TETRACHLORIDE	1,1,1-TRICHLOROETHANE	1,2-DICHLOROETHANE	TRANS-1,2-DICHLOROETHENE	1,1-DICHLOROETHENE	VINYL CHLORIDE	P-DICHLOROBENZENE	O-DICHLOROBENZENE	DICHLOROMETHANE	XYLENES, TOTAL	CIS-1,2-DICHLOROETHYLENE	NAME 1,2,4-TRICHLOROBENZENE	Parameter
100	700	1000	>	100	ω	(J1	ယ	O1	ω	200	ယ	100	7	>	75	600	Οī	10000	70	(MCL)	
UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	· UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UNITS UG/L	
0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.44	0.50	0.25	RESULT 0.25	ANALYSIS
C	C	C	⊂	C	C	C	C	C	C	C	C		C	C	C	C	C	C	C	QUALIFIER U	
524.2	524.2	524.2	524.2	524.2	524.2	524.2	524.2	524.2	524.2	524.2	524.2	524.2	524.2	524.2	524.2	524.2	524.2	524.2	524.2	<b>METHOD</b> 524.2	
0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.44	0.50	0.25	<b>MDL</b> 0.25	
07/16/2009	07/16/2009	07/16/2009	07/16/2009	07/16/2009	07/16/2009	07/16/2009	07/16/2009	07/16/2009	07/16/2009	07/16/2009	07/16/2009	07/16/2009	07/16/2009	07/16/2009	07/16/2009	07/16/2009	07/16/2009	07/16/2009	07/16/2009	<b>ANALYZED</b> 07/16/2009	DATE
19:33	19:33	19:33	19:33	19:33	19:33	19:33	19:33	19:33	19:33	19:33	19:33	19:33	19:33	19:33	19:33	19:33	19:33	19:33	19:33	ANALYZED 19:33	TIME
E83079	E83079	E83079	E83079	E83079	E83079	E83079	E83079	E83079	E83079	E83079	E83079	E83079	E83079	E83079	E83079	E83079	E83079	E83079	E83079	<b>LAB ID</b> E83079	

### DATA QUALIFIERS THAT MAY APPLY:

NOTES:

MBAS calculated as LAS; molecular weight = 348. The client needs Dioxin reported in mg/L not pg/L.

For questions and comments regarding these results, please contact Bettina Beilfuss at (941) 723-9986

Results relate only to the samples.

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I = Reported value is between the laboratory MDL and the PQL. (PQL = 4 x MDL).

J4 = Est value Sample matrix interference suspected. Q = Sample held beyond accepted holdtime.

U = Analyte analyzed but not detected at the value indicated, X = Value exceeds MCL.

### **TURBIDITY MONITORING**

The monitoring of turbidity occurs at least 6 times per day as required by the regulations. The data provided represents the turbidity from the combined filtered water location at the Peace River Regional Water Supply Facility. Test results are for the period 1/1/09 - 12/31/09. The Peace River Facility combined filtered water turbidity never exceeded the MCL of 1.0 and did not fail to meet on a monthly basis, the requirement of less than or equal to .3 level at least 95% of the time.

### 2009 Combined Filtered Water Turbidity Data

Month	Maximum Daily	Monthly Average	Percentage of
	Reading (NTU)	Reading (NTU)	Samples Meeting
			.30 NTU Limit
January	.1	.04	100
February	.09	.03	100
March	.34	.05	100
April	.13	.06	100
May	.2	.06	100
June	.14	.07	100
July	.11	.05	100
August	.09	.03	100
September	.08	.03	100
October	.11	.03	100
November	.07	.03	100
December	.05	.02	100

### MICROBIOLOGICAL CONTAMINANTS

### Total Coliform Bacteria and E. Coli Bacteria

These contaminants are required to be collected on a monthly basis. Test results are for the period 1/1/09 - 12/31/09. Test results for these parameters resulted in **no violations**. The highest number of positive results for any month during this reporting period is one. For the year, 154 total samples were collected with two positive samples for Total Coliform.

### Peace River Facility Microbiological Summary Table 2009

Months	Total Number of	Number of Positive	Number of Positive
	Samples Collected	Total Coliform	E. Coli Samples
		Samples	
January	12	0	0
February	12	0	0
March	15	0	0
April	8	0	0
May	8	0	0
June	13	0	0
July	17	1	0
August	12	0	0
September	15	0	0
October	12	0	0
November	15	1	0
December	15	0	0
Total	154	2	0

Note 1. In April 2009 - June 2009 the Carlton site was not sampled due to the reversed flow from Carlton WTP to the Peace River Facility.

### MAXIMUM RESIDUAL DISINFECTION LEVEL

As a result of the Disinfection/Disinfection By-Products Rule (effective 1/1/02) the Authority is required to monitor disinfection levels in the distribution system to ensure that the annual average residual of 4.0 mg/l is not exceeded. Test results provided are for the period 1/1/09-12/31/09 and result in **no violations**.

Peace River Facility

Maximum Residual Disinfection Level Results

**See Summary Table Attached** 

# DISINFECTANT RESIDUAL (CHLORINE OR CHLORAMINES) EXAMPLE REPORTING FORMAT

	QUARTERLY REPORTING PERIOD: 4TH YEAR	2009
SYSTEM INFORMATION		
PWS NAME: Peace River/Manasota Regional Water Supply Authority		
PWS ID NUMBER: 6142734	COUNTY: Desoto	
CONTACT PERSON: Jonah L. Strickland	PHONE NUMBER: (863) 993-4565	
E-MAIL ADDRESS (optional): jlstrickland@regionalwater.org	FAX NUMBER (optional): (863) 993-4568	

NO O							NO)	0 mg/l? (YES/	tant Level of 4.	sidual Disinfec	ximum Res	Does the RAA violate the Maximum Residual Disinfectant Level of 4.0 mg/l? (YES/NO)
3.5				months)	1 _	thly averag	e of the mon	metic average	alculate the arith	(RAA) (i.e., ca	il Average	Calculate the Running Annual Average (RAA) (i.e., calculate the arithmetic average of the monthly averages for the last 12
						·						total coliform samples, including repeat or additionatotal coliform samples)
3 5	3.4	3.4	స హ	ప .ప	ა .თ	ა ა	3.7	3.7	ა. ა	3.7	3.7	in each month for the last 12 months (include disinfectant residual samples taken for a
												Provide the monthly arithme average of all samples taken
<u>ນ</u>	15	12	5	<b>12</b>	17	â	8	œ	15	12	72	quarter (include disinfectant residual samples taken for a total coliform samples, including repeat or additional total coliform samples)*
						<b>.</b>						Provide the number of disinfectant residual sample taken each month of the las
Dec-09	Nov-09	Oct-09	Sep-09	Aug-09	Jul-09	Jun-09	May-09	Apr-09 .	Mar-09	Feb-09	Jan-09	Actual Month/Year
12	11	10	9	8	7	6	ა	4	ω -	2	7	Last 12 Months
									8	NOT SHAMP	A IdMOS	DIGINEECTANT RESIDIAL COMPLIANCE SIMMARY

<sup>\*</sup>Also, for each disinfectant residual sample taken each month of the last quarter, provide the information requested in the table on page two of this format.

### **Total Organic Carbon (TOC)**

The Stage I D/DBP Rule effective 1/1/02 as it relates to Sub Part H systems requires these contaminants to be tested monthly for the raw and finished water as paired samples to determine the treatment facility's on going per cent removal and removal ratio of TOC during treatment. Test results are for the period 1/1/09 - 12/31/09 on finished and raw untreated water at the Peace River Facility.

Peace River Facility TOC Removal Results

See Summary Table Attached

# TOTAL ORGANIC CARBON (TOC) ANNUAL REMOVAL SUMMARY

					Ву Мс	onth for l	By Month for Past 12 Months	<b>Months</b>				
	1	2	3	4	5	9	7	8	9	10	<del></del>	12
Actual Month/Year	Jan-09	Feb-09	Mar-09	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09
Number of Paired (Source Water and Treated Water) TOC Samples Collected	<b></b>	11	<b>,</b>	است	<del>  </del>	) <b>-</b>	<b>,</b> 4	jumah.	<b>,</b>	p4	<b></b>	<b></b>
Raw Water TOC Monthly Arithmetic Average	9.7	8	8.48	5.62	4.85	6.22	18.8	23.7	23.6	24.4	20.2	21.3
Treated Water TOC Monthly Arithmetic Average	4.19	3.62	3.83	2.59	1.77	1.63	6.13	7.1	7.4	7.43	6.02	5.57
Actual % TOC Removed *	57	55	55	54	64	74	67	70	69	70	70	74
% TOC Removed Quarterly Arithmetic Average			56			64			69			71
% TOC Removed 12 Month Running Arithmetic Average				full in the second of the seco								65
Required % Removal	40	35	40	35	35	35	40	50	50	50	50	50
Monthly Actual/Required Ratio	1.43	1.57	1.38	1.54	1.81	2.11	1.68	1.40	1.37	1.39	1.40	1.48
Quarterly Average of Actual/Required Ratio			1.46			1.82			1.49			1.42
Running 12 Month Actual/Required Ratio												1.55

	for the past four quarters? (Yes/No)
YES	requirements in 40 CFR 141.135(b) (2) or (3)
	coagulation or enhanced softening % removal
	Does the system meet the enhanced

TOC removal requirements that are found in 40 CFR 141.135(e)(1) are calculated using the following formula: \*Attach calculations for determining compliance with the TOC percent removal requirements, as provided in 40 CFR 141.135(e)(1). 40 CFR 141.135(3)(1),

Removal Ratio = Calculated Monthly TOC % Removal/Required % Removal (1- Treated water TOC/source water TOC) X 100 = Actual Monthly TOC Removal Percentage

### TOTAL TRIHALOMETHANES (TTHM) AND TOTAL HALOACETIC ACIDS (HAA 5)

These contaminants are required to be tested annually on a quarterly frequency with compliance determined on a running annual average. Test results are for the period 1/1/09 - 12/31/09 and have resulted in **no violations**.

Peace River Facility THM and HAA Results

See Summary Table Attached

# DISINFECTION BYPRODUCTS (TOTAL TRIHALOMETHANES [TTHMS] AND HALOACETIC ACIDS FIVE [HAA5s])

	MONITORING FREQUENCY: \( \infty \) QUARTERLY \( \infty \) ANNUALLY	ΥΠ
	QUARTERLY REPORTING PERIOD:4th	- FOO3
SYSTEM INFORMATION		
PWS NAME: Peace River/Manasota Reg. Water Supply Authority		
PWS ID NUMBER: 6142734	COUNTY: Desoto	
CONTACT PERSON: Jonah L. Strickland	PHONE NUMBER : 863-993-4565	
E-MAIL ADDRESS (optional):jlstrickland@regionalwater.org	FAX NUMBER (optional): 863-993-4568	

			OMPLIANCE	HAAS COMPLIANCE SUMMARY		
Last Four Quarters QTR 1 QTR 2 QTR 3	QTR4	Last Four Quarters	QTR1	QTR2	QTR 3	QTR4
Actual Quarter/Year 1/09	4/09	Actual Quarter/Year	1/09 :	2/09	3/09	4/09
Provide the number of TTHM samples taken during the last quarter*	12	Provide the number of HAA5 samples taken during the last quarter*	\$ 1 m	194		12
T	 מא	Provide the arithmetic average of	23	007	○ ກ ກ	w 27
.030.	.054	quarter for the last four quarters	.012	.007	.000	.046
Calculate the Running Annual Average (RAA) for TTHMs (i.e., calculate the arithmetic average of the quarterly arithmetic averages for the last four quarters)	.043	Calculate the Running Annual Average (RAA) for HAA5s (i.e., calculate the arithmetic average of the quarterly arithmetic averages for the last four quarters)	age (RAA) for erly arithmetic	HAA5s (i.e., of the same of th	calculate he last four	.030
Does the RAA for TTHMs violate the Maximum Contaminant Level of 0.080 mg/L for TTHMs? (YES/NO)	N O	Does the RAA for HAA5s violate the Maximum Contaminant Level of 0.060 mg/L for HAA5s? (YES/NO)	e Maximum Co	ontaminant Le	el of	<b>N</b>

<sup>\*</sup>Also, for each sample taken during the last quarter, provide the information requested in the tables on pages 3 and 4 of this format.

### NITRATE NITROGEN And NITRITE NITROGEN

These contaminants are required to be tested annually on a quarterly frequency. Test results are for the period 1/1/09 - 12/31/09 and have resulted in **no violations**.

### Peace River Facility Nitrate and Nitrite Summary Table 2009

Sample Date	Nitrate Results (mg/l)	Nitrite Results (mg/l)
First Quarter	.510	.003 U
Second Quarter	.071	.007 I
Third Quarter	.490	.011 I
Fourth Quarter	.0413	.014

### BENCHWARK

EnviroAnalytical Inc.

FDOH Certification #E84167

Peace River/Manasota R W S

8998 Sw County Road 769 Arcadia, FI 34269 INORGANIC ANALYSIS

62-550.310 (1)

1041 I.D. 1040

1038

### THESE RESULTS MEET NELAC STANDARDS ANALYTICAL TEST REPORT

OKGANIC ANALYSIS 50.310 (1)					REPO	REPORT NUMBER: 9010181	9010181	4	
					S.	STEM NAME: SYSTEM ID:	: Potable V	SYSTEM NAME: Potable Water Qtty-Finish Ep SYSTEM ID:	ish Ep
Parameter			ANALYSIS			u	DATE	TIME	
NAME	(MCL)	UNITS	RESULT	QUALIFIER	METHOD		ANALYZED	ANALYZED	LAB ID
	10	MG/L	0.510		353.2	0.050 0	01/07/2009	16:59	E84167
NITRITE NITROGEN	_	MG/L	0.003	D	353.2	0.003 0	01/07/2009	16:59	E84167
NITRATE+NITRITE AS N	10	MG/L	0.510		353.2	0.050 0	11/08/2009	10:30	E84167

DATA QUALIFIERS THAT MAY APPLY:

I = Reported value is between the laboratory MDL and the PQL. (PQL =  $4 \times MDL$ ). U = Analyte analyzed but not detected at the value indicated. X = Value exceeds MCL.

MBAS calculated as LAS; molecular weight = 348.

NOTES:

For questions and comments regarding these results, please contact Bettina Beilfuss at (941) 723-9986

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### BENCHINARK EnviroAnalytical Inc.

FDOH Certification #E84167

Peace River/Manasota R W S

8998 Sw County Road 769 Arcadia , Fl 34269

INORGANIC ANALYSIS

62-550.310 (1)

## ANALYTICAL TEST REPORT THESE RESULTS MEET NELAC STANDARDS

REPORT NUMBER: 9040092

Potable Water Qtly-Entry Point SYSTEM NAME:

SYSTEM ID:

	Parameter			ANALYSIS				DATE	TIME	<u></u>
.D.	I.D. NAME	(MCL)	UNITS MG/L	<b>RESULT</b> 0.071	QUALIFIER I	<b>METHOD</b> 353.2	<b>MDL</b> 0.050	<b>ANALYZED</b> 04/03/2009	<b>ANALYZEU</b> 09:45	<b>LAB ID</b> E84167
1040		2 .	MG/L	0.007	:	353.2	0.003	04/03/2009	09:45	E84167
1038	z	10	MG/L	0.078	시 <b>한</b> 	353.2	0.050	04/03/2009	12:00	E84167

### DATA QUALIFIERS THAT MAY APPLY:

I = Reported value is between the laboratory MDL and the PQL. (PQL =  $4 \times \text{MDL}$ ). U = Analyte analyzed but not detected at the value indicated. X = Value exceeds MCL.

MBAS calculated as LAS; molecular weight = 348.

NOTES:

For questions and comments regarding these results, please contact Bettina Beilfuss at (941) 723-9986

Results relate only to the samples

### BUNCHIAR

Envirodnalytical Inc.



FDOH Certification #E84167

Peace River/Manasota R W S

8998 Sw County Road 769 Arcadia , Fl 34269

NORGANIC ANALYSIS

62-550.310 (1)

Entry Point Finish SYSTEM NAME: REPORT NUMBER:

THESE RESULTS MEET NELAC STANDARDS ANALYTICAL TEST REPORT

6142734 SYSTEM ID:

DATE	ANALYZED ANALYZED LABID 07/07/2009 17:57 E84167	07/07/2009 17:57	07/07/2009 16:30
	10D MDL 0.004		
	ER METHOD 353.2	353.2	353.2
	QUALIFIER	-	
ANALYSIS	<b>RESULT</b> 0.490	0.011	0.501
	UNITS MG/L	MG/L	MG/L
	(MCL)	)	
Parameter	NAME NITRATE NITROGEN	1041 NITRITE NITROGEN	NITRATE+NITRITE AS N
	.D. 1040	141	1038

DATA QUALIFIERS THAT MAY APPLY:

I = Reported value is between the laboratory MDL and the PQL. (PQL =  $4 \times \text{MDL}$ ).

MBAS calculated as LAS; molecular weight = 348.

NOTES:

14 = Est value. Sample matrix interference suspected.
O = Sample helid beyond accepted holdrime.
U = Analyte analyzed but not detected at the value indicated.
X = Value exceeds MCL.

For questions and comments regarding these results, please contact Bettina Beilfuss at (941) 723-9986

Results relate only to the samples.

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### BENCHINARK

# EnviroAnalytical Inc.



FDOH Certification #E84167

Peace River/Manasota R W S

8998 Sw County Road 769 Arcadia, FI 34269 INORGANIC ANALYSIS

62-550.310 (1)

**Entry Point** SYSTEM NAME: REPORT NUMBER:

THESE RESULTS MEET NELAC STANDARDS ANALYTICAL TEST REPORT

SYSTEM ID:

Parameter			ANALYSIS				DATE	TIME	
NAME NITRATE NITROGEN	(MCL)	UNITS MG/L	RESULT 0.413	QUALIFIER	METHOD 353.2	<b>MDL</b> 0.004	<b>ANALYZED</b> 10/07/2009	ANALYZED 16:30	<b>LAB ID</b> E84167
NITRITE NITROGEN	·	MG/L	0.014		353.2	0.003	10/07/2009	16:30	E84167
1038 NITRATE+NITRITE AS N	10	MG/L	0.427		353.2	0.004	10/07/2009	10:30	E84167

DATA QUALIFIERS THAT MAY APPLY:

I = Reported value is between the laboratory MDL and the PQL. (PQL = 4 x MDL).

MBAS calculated as LAS; molecular weight = 348,

NOTES:

JA = Est value. Sample matrix interier ence suspected. O = Sample held beyond accepted holdtime. U = Analyte analyzed but not detected at the value indicated. X = Value exceeds MCL.

For questions and comments regarding these results, please contact Bettina Beilfuss at (941) 723-9986

Results relate only to the samples.

### TREATMENT TECHNIQUES

In lieu of a MCL, Federal and State regulations allow that some contaminants be limited during the treatment of water. The Utility may therefore, use these limitations through documented certification on an annual basis.

KED Group, Inc. 10042 Lone Tree Lane Orlando, Florida 32836 407-876-4021 fax: 407-876-1832

December 2, 2009

Peace River/Manasota Regional Water Supply Authority 8998 S.W. County Road 769 Arcadia, FL 34266

RE: Acrylamide and Epichlorohydrin levels in EK 102 PWG Polymer

Dear Sirs:

This letter is to certify that limits on levels of the above contaminates are as follows:

Acrylamide – less than 0.005% at 1 ppm in accordance with NSF standards

Epichlorohydrin – none at 1 ppm in accordance with NSF standards

All of our products comply with ANS/NSF standard 60 drinking water treatment chemicals. If you have any questions, please let us know.

Sincerely yours,

Kenneth E. DeGarmo

President

KED Group, Inc.



Fort Bend Services, Inc.
Water & Waste Treatment Specialists

December 11, 2009

J L Strickland Peace River Regional Water Supply Authority 8998 S.W. County Road 769 Arcadia, Florida 34269

Reference: FBS 930PWG

J L Strickland,

This letter certifies that FBS 930PWG complies with the NSF Standard 60 specifications for drinking water treatment chemicals. The product does not contain epichlorohydrin and contains residual acrylamide less than 0.05% (<500 ppm).

Please find attached a copy of the NSF listing.

Should you have questions or require additional information, please feel free to contact me.

Your business is greatly appreciated.

Kathy Mabry

Sincerely

National Sales Manager

office: 281,261.5199 & toll free: 800.933.3678 & fax: 281.261.2295

office: 13303 Redfish, Stafford, TX 77477 & mailing: PO Box 1688, Stafford, TX 77497

www.fortbendservices.com

### **Synthetic Organic Chemicals**

These contaminants are required to be tested semi-annually every three years. Test results are for the period 1/1/08 - 12/31/08. These test results are from the most recent testing done in accordance with State and Federal regulations and <u>no violations or detections</u> occurred during this period.

Note 1. During calendar year 2009 the synthetic organic chemicals were collected once due to other DEP requirements and are included here for your information.

### SYNTHETIC ORGANICS 62-550.310 (4) (b)

REPORT NUMBER: 8040094
SYSTEM NAME: Entry Point
SYSTEM ID: 6142734

2959				2326 F	2306 F	2274 I	2110 2					2050 /				2040 F	2039 [	2037 \$	2036 (	2035 C	2034 (	2033 E	2032 L						2005 E	ë	771	1
CHLORDANE	ETHYLENE DIBROMIDE	1,2-DIBROMO-3-CHLOROPROPANE	PCB	PENTACHLOROPHENOL	BENZO(A)PYRENE	HEXACHLOROBENZENE	2,4,5-TP(SILVEX)	2,4-D	HEPTACHLOR EPOXIDE	HEPTACHLOR	ALACHLOR	ATRAZINE	CARBOFURAN	HEXACHLOROCYCLOPENTADIENE	DINOSEB	PICLORAM	DI(2-ETHYLHEXYL)PHTHALATE	SIMAZINE	OXAMYL (VYDATE)	DI(2-ETHYLHEXYL)ADIPATE	GLYPHOSATE	ENDOTHALL	DIQUAI	DALAPON	OXAPHENE	)	METHOXYCHI OR	Y-BHC(LINDANE)	ENDRIN	NAME DIOXIN SCREEN	Parameter	
2.0	0.02	0.02	0.5	1.0	0.2	1.0	50	70	0.2	0.4	2	3.0	40	50	7.0	500	6.0	4.0	200	400	7.0	100	20	200	ن. ا	) c	40 i	0 !	2.0	(MICL)		
UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	06/1	- C		5	UG/L	UG/L	UG/L	UG/L		TINITO	>
0.018	0.0062	0.0039	0.097	0.0040	0.034	0.012	0.038	0.054	0.00097	0.0058	0.028	0.0068	0.13	0.014	0.096	0.037	0.48	0.018	0.16	0.22	0.99	7.0	7 6 6	0.00	0 60	0.22	0.014	0.0019	0.0019	4.8		ANAL YSIS
C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	<b>C</b>	. C	: <	: C	: C	Ξ '			C	C	C	C	ָ כר בר בר בר בר בר בר בר בר בר בר בר בר בר		
508.1	504.1	504.1	508.1	515.3	525.2	508.1	515.3	515.3	508.1	508.1	508.1	508.1	531.1	508.1	515.3	515.3	525.2	508.1	537.	525.2	n (4 n ~	n (1)	548.1	549.2	515.3	508.1	508.1	508.1	508.1	625	METHOD	
0.018	0.0062	0.0039	0.097	0.0040	0.034	0.012	0.038	0.054	0.00097	0.0058	0.028	0.0068	0.13	0.014	0.096	0.037	0.48	0.010	0 0	0.46	O 0.	0 0	7.6	0.29	0.60	0.22	0.014	0.0019	0.0019	4.8	MDL	
04/16/2008	04/07/2008	04/07/2008	04/16/2008	04/11/2008	04/07/2008	04/16/2008	04/11/2008	04/11/2008	04/16/2008	04/16/2008	04/16/2008	04/16/2008	04/15/2008	04/16/2008	04/11/2008	04/11/2008	04/0//2008	04/16/2006	04/15/2008	04/07/2008	04/07/2008	04/16/2008	04/07/2008	04/17/2008	04/07/2008	04/16/2008	04/16/2008	04/16/2008	04/16/2008	04/08/2008	ANALYZED	DATE
13:00	09:45	09:45	13:00	09:30	12:40	13:00	09:30	09:30	13:00	13:00	13:00	13:00	10:45	13:00	09:30	09.30	06:00	13:40	13:00	15.45	12.40	16:00	09:00	10:30	09:30	13:00	13:00	13:00	13:00	09:30	ANALYZED	TIME
E83U/9	E830/9	E83079	E83079	E830/9	E830/9	T830/8	1 00070 1 00070	E83U/9	E830/9	E830/9	E83079	E000/9	E83079	T 83079	T 83070	1 60000	E83079	E83079	E83079	E83079	E83079	E83079	E83079	E83079	E83079	E83079	E83079	E830/9	E00070	E83079	LAB ID	

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### SYNTHETIC ORGANICS

62-550.310 (4) (b)

REPORT NUMBER: 8070687
SYSTEM NAME: Entry Point
SYSTEM ID: 6142734

### 62-550.310 (4) (b) SYNTHETIC ORGANICS

### CORRECTED REPORT SEE ATTACHED NOTES

REPORT NUMBER: 9070431 SYSTEM NAME: Point Of Entry

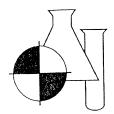
SYSTEM ID: 6142734

2959	2946	2931	2383	2326	2306	2274	2110	2105	2067	2065	2051	2050	2046	2042	2041	2040	2039	2037	2036	2035	2034	2033	2032	2031	2020	2015	2010	2005	Ď	
CHLORDANE	ETHYLENE DIBROMIDE	1,2-DIBROMO-3-CHLOROPROPANE	PCB	PENTACHLOROPHENOL	BENZO(A)PYRENE	HEXACHLOROBENZENE	2,4,5-TP (SILVEX)	2,4-D	HEPTACHLOR EPOXIDE	HEPTACHLOR	ALACHLOR	ATRAZINE	CARBOFURAN	HEXACHLOROCYCLOPENTADIENE	DINOSEB	PICLORAM	DI(2-ETHYLHEXYL)PHTHALATE	SIMAZINE	OXAMYL	DI(2-ETHYLHEXYL)ADIPATE	GLYPHOSATE	ENDOTHALL	DIQUAT	DALAPON	TOXAPHENE	METHOXYCHLOR	GAMMA-BHC	ENDRIN	NAME 2,3,7,8-TCDD	Parameter
2.0	0.02	0.02	0.5	1.0	0.2	1.0	50	70	0.2	0.4	2	3.0	40	50	7.0	500	6.0	4.0	200	400	7.0	100	20	200	3.0	40	0.2	2.0	(MCL)	
UG/L	UG/L	"UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	. UG/L	MG/L	
0.034	0.0063	0.0050	0.096	0.010	0.018	0.024	0.080	0.030	0.0038	0.0077	0.053	0.025	0.25	0.020	0.090	0.010	0.47	0.024	0.18	0.36	0.86	0.29	0.22	0.66	0.21	0.020	0.0048	0.0019	<b>RESULT</b> 5 × 10(-9)	ANALYSIS
C	C	C	C	C	C	C	С	C	C	C	C	C	С	C	C	C	C	C	C	C	C	C	C	C	C	C	U	C	QUALIFIER U	
508.1	504.1	504.1	508.1	515.3	525.2	508.1	515.3	515.3	508.1	508.1	508.1	508.1	531.1	508.1	515.3	515.3	525.2	508.1	531.1	525.2	547	548.1	549.2	515.3	508.1	508.1	508.1	508.1	METHOD 1613	
0.034	0.0063	0.0050	0.096	0.010	0.018	0.024	0.080	0.030	0.0038	0.0077	0.053	0.025	0.25	0.020	0.090	0.010	0.47	0.024	0.18	0.36	0.86	0.29	0.22	0.66	0.21	0.020	0.0048	0.0019	<b>MDL</b> 5 × 10(-9)	
07/20/2009	07/21/2009	07/21/2009	07/20/2009	07/28/2009	07/19/2009	07/20/2009	07/28/2009	07/28/2009	07/20/2009	07/20/2009	07/20/2009	07/20/2009	07/24/2009	07/20/2009	07/28/2009	07/28/2009	07/19/2009	07/20/2009	07/24/2009	07/19/2009	07/25/2009	07/20/2009	07/23/2009	07/28/2009	07/20/2009	07/20/2009	07/20/2009	07/20/2009	ANALYZED 07/24/2009	DATE
13:06	22:34	22:34	13:06	02:37	22:55	13:06	02:37	02:37	13:06	13:06	13:06	13:06	07:46	13:06	02:37	02:37	22:55	13:06	07:46	22:55	00:42	19:35	00:22	02:37	13:06	13:06	13:06	13:06	ANALYZED 02:07	TIME
E83079	E83079	E83079	E83079	E83079	E83079	E83079	E83079	E83079	E83079	E83079	E83079	E83079	E83079	E83079	E83079	E83079	E83079	E83079	E83079	E83079	E83079	E83079	E83079	E83079	E83079	E83079	E83079	E83079	E83079	

### LEAD And COPPER

These contaminants are required to be tested annually every three years. Test results are for the period 1/1/08 - 12/31/08. These test results are from the most recent testing done in accordance with State and Federal regulations. **No violations** occurred during this period and 100% of the samples for both lead and copper were below the action level.

FDH Certification #E84167



### Benchmark

### EnviroAnalytical, Inc.

### ANALYTICAL TEST REPORT

THIS REPORT MEETS NELAC STANDARDS

Peace River/Manasota R W S 8998 Sw County Road 769

Arcadia

34269

Attn:

PWS I. D. #:

6142734

Date Submitted to Lab: 07/16/2008

Lab Name:

Benchmark EnviroAnalytical, Inc.

Analysis Date:

07/21/2008

Lab I. D

Phone:

E 84167

Lab Sink

Upstairs Bathroom Hall Closet

Ladies Room

Method:

SM3113B 0.00067 mg/L

Contact Person:

Dale Dixon 941-7239986 MdI: 90 th Percentile Value:

0.004 mg/L

A	RANK (ascending)	LOCATION NO.	N CODE TIER	LAB SAMPLE I.D.	
	1 N	1ens Room		8070490 -4	(

MPLE I.D.	DATE SITE SAMPLED	LEAD (mg/l)	
8070490 -4	07/15/2008	0.00067 U	
8070490 -5	07/15/2008	0.00067 U	
8070490 -1	07/15/2008	0.002	
8070490 -2	07/15/2008	0.003	
8070490 -3	07/15/2008	0.004	

CERTIFICATION: The tap samples used for lead and copper analysis were submitted by the above PWS. Each sample container had one liter of solution (+/- 100mL). All samples were taken properly by the above system and analyzed in accordance with the requirements in Chapter 10d-41, F.A.C. The sampling dates were reported for each sample received. I hereby certify that all data submitted are correct.

Regulatory Review Official

2

3

5

I = Value is between laboratory MDL and PQL

U = Analyte not detected at the value indicated

X = Value exceeds MCL.

### BENCHMARK BY:

EnviroAnalytical, Inc.

NELAC CERTIFICATION #E84167

### ANALYTICAL TEST REPORT

THIS REPORT MEETS NELAC STANDARDS

Peace River/Manasota R W S 8998 Sw County Road 769 Arcadia

FI

34269

Attn:

PWS I. D. #:

6142734

Lab Name:

Benchmark Enviro Analytical, Inc.

Lab I. D

E 84167

Contact Person:

Dale Dixon

Phone:

941-7239986

07/23/2008

Date Submitted to Lab: 07/16/2008

Analysis Date:

07/18/2008

Method:

200.7

MdI:

0.004 mg/L

90 th Percentile Value: 0.028 mg/L

A	RANK (ascending	LOCATION CODE NO NO TIER	LAB SAMPLE I.D.	DATE SITE SAMPLED	Copper (mg/l)
	1	Mens Room	8070490 -4	07/15/2008	0.004 U
	2	Hall Closet	8070490 -2	07/15/2008	0.008
	3	Ladies Room	8070490 -3	07/15/2008	0.018
	4	Lab Sink	8070490 - 5	07/15/2008	0.020
	5	Upstairs Bathroom	8070490 -1	07/15/2008	0.028

CERTIFICATION: The tap samples used for lead and copper analysis were submitted by the above PWS. Each sample container had one liter of solution (+/- 100mL). All samples were taken properly by the above system and analyzed in accordance with the requirements in Chapter 10d-41, F.A.C. The sampling dates were reported for each sample received. I hereby certify that all data submitted are correct.

Regulatory Review Official

I = Value is between laboratory MDL and PQL.

U = Analyte not detected at the value indicated

X = Value exceeds MCL.

### **SECONDARY CONTAMINANTS**

These contaminants are required to be tested annually every three years. Test results are for the period 1/1/08 - 12/31/08. These test results are from the most recent testing done in accordance with State and Federal regulations and <u>no violations</u> occurred during this period.

Note 1. During calendar year 2009 the secondary parameters were collected due to requirements contained in the DEP ASR construction permit and are included here for your information.

### SECONDARY CONTAMINANTS

62-550.320

REPORT NUMBER: SYSTEM NAME: 8070687

SYSTEM ID: Entry Point 6142734

1925 1930 2905	1920	1095 1905	1055	1050	1032	1028	1025	1022	1017	1002	<del>.</del> D
TOTAL DISSOLVED SOLIDS SURFACTANTS	ODOR	COLOR	SULFATE	SILVER	MANGANESE	IRON	FLUORIDE.	COPPER	CHLORIDE	ALUMINUM	Parameter NAME
500 0.5	ω 1 1	15	250	0.1	0.05	0.3	2.0	-1	250	0.2	(MCL)
MG/L	NOT	PCU	MG/ MG/ MG/ MG/ MG/ MG/ MG/ MG/ MG/ MG/	MG/L	MG/L	MG/L	MG/L	MG/L	MIG/L	MG/L	UNITS
428 0.03	1 7.79	10	0.002	0.0005	0.005	0.032	0.173	0.005	30.6	C. 1 10	ANALYSIS RESULT
C	<b>Q</b>	=		C	<del>-</del>		-	-	-		QUALIFIER
SM2540C SM5540C	SM4500H+B	SM2120B	200.7	300 0	200 7	200.7	200.7	300 0	200 7	300.0	METHOD
7.26 0.03	0.1	ω N	0.0014	0.339	0.0005	0.00098	0.029	0.030	0.004	0.353	<b>MDL</b> 0.023
07/25/2008 07/24/2008	07/23/2008	07/23/2008	08/01/2008	07/28/2008	08/05/2008	08/01/2008	08/01/2008	07/28/2008	08/01/2008	07/28/2008	DATE ANALYZED 08/01/2008
09:30 10:00	11:25	16:50 15:30	09:52	15:09	12:30	09:52	09:52	15:09	09:52	15:09	TIME ANALYZED 09:52
E84167 E84167	E85086	E84167 E84167	E84167	E84167	E84167	E84167	E84167	E84167	E84167	E84167	LAB ID E84167

DATA QUALIFIERS THAT MAY APPLY:

I=Reported value is between the laboratory MDL and the PQL (PQL = 4 x MDL) U = Analyte analyzed but not detected at the value indicated X = Value exceeds MCL.

NOTES:

MBAS calculated as LAS; molecular weight = 348 C = Laboratory not NELAC certified for analyte Q = Sample held beyond accepted hold time

For questions and comments regarding these results, please contact Katharine Dixon at (941) 723-9986

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### SECONDARY CONTAMINANTS

### CORRECTED REPORT

SEE ATTACHED NOTES

REPORT NUMBER: SYSTEM NAME: Point Of Entry 9070431

SYSTEM ID: 6142734

2905	1930	1925	1920	1905	1095	1055	1050	1032	1028	1025	1022	1017	1002	Ö	
SURFACTANTS	TOTAL DISSOLVED SOLIDS	PH	ODOR	COLOR	ZINC	SULFATE	SILVER	MANGANESE	IRON	FLUORIDE.	COPPER	CHLORIDE	ALUMINUM	NAME COLOR PH	Parameter
0.5	500	6.5-8.5	ω	151	G	250	0.1	0.05	0.3	2.0	_7	250	0.2	(MCL)	
MG/L	MG/L	UNITS	NOT	CU	MG/L	STINU									
0.038	456	8.15	_	2	0.003	168	0.0005	0.005	0.029	0.333	0.004	58.0	0.084	RESULT 7.99	ANALYSIS
ā		Q	C	C	_		C		C		C			QUALIFIER	
SM5540C	SM2540C	SM4500H+B	140.1	SM2120B	200.7	300.0	200.7	200.7	200.7	300.0	200.7	300.0	200.7	METHOD SM4500H+B	
0.03	7.26		>	2	0.0014	0.339	0.0005	0.00098	0.029	0.030	0.004	0.353	0.023	MUL	
07/15/2009	07/14/2009	07/13/2009	07/13/2009	07/14/2009	07/16/2009	07/15/2009	07/16/2009	07/16/2009	07/16/2009	07/15/2009	07/16/2009	07/15/2009	07/16/2009	07/14/2009	DATE
13:00	16:00	16:10	15:00	16:40	12:52	13:00	12:52	12:52	12:52	13:00	12:52	13:00	12:52	16:40	TIME
E84167	E8416/	T 0410/	T8416/	E84167	E84167	E84167	E84167	E8416/	E8416/	E8416/	E8416/	E8416/	E84167	E84167	- 3 5

### DATA QUALIFIERS THAT MAY APPLY:

NOTES:

MBAS calculated as LAS, molecular weight = 348. The client needs Dioxin reported in mg/L not pg/L.

For questions and comments regarding these results, please contact Bettina Beilfuss at (941) 723-9986

Results relate only to the samples

9070431

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I = Reported value is between the laboratory MDL and the PQL. (PQL = 4 x MDL).

J4 = Est\_value. Sample matrix interference suspected.

Q = Sample held beyond accepted holdtime U = Analyte analyzed but not detected at the value indicated X = Value exceeds MCL.

### UNREGULATED GROUP I, GROUP II AND GROUP III CONTAMINANTS

The Group I contaminants were required to be tested quarterly for one year <u>only</u>. The Group II contaminants were required to be tested annually every three years and the testing requirement <u>expired</u> in the year 2000. The Group III contaminants are required to be tested <u>once</u>. Test results are available from a previous period of time. This period does not fall into the acceptable reporting period for the 2009 Consumer Confidence Report, and therefore will not be provided here with other 2009 data.

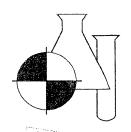
### RADIOACTIVE CONTAMINANTS

These contaminants are required to be tested quarterly every three years. Test results are for the period 1/1/08 - 12/31/08. These test results are from the most recent testing done in accordance with State and Federal regulations and **no violations** occurred during this period. Due to low levels found with the contaminant gross alpha, additional testing for other contaminants such as radium 226 or radium 228 is not required, but was tested on a voluntary basis anyway.

Note 1. During calendar year 2009 the radioactive contaminants were collected due to requirements contained in the DEP ASR construction permit and are provided here for your information.

### **BENCHMARK**

### EnviroAnalytical Inc.



NELAC Certification # E84167

### **ANALYTICAL TEST REPORT**

THESE RESULTS MEET NELAC STANDARDS

FER 0 4 2008

**Submission Number:** 

8010101

Peace River/Manasota R W S 8998 Sw County Road 769 Arcadia, FI 34269

**Project Name:** 

MONTHLY FINISHED WATER

Date Received:

01/04/2008

Time Received:

Submission Number

8010101

Sample Number:

1A

0935

Sample Description:

Plant Finished Water/Lab

Sample Date: Sample Time: 01/03/2008

Sample Method:

Grab

Parameter	Result	Units	MDL	PQL	Procedure	Analysis		Amalwat
i ai ametei	Result	Units	MIDL	rQL	riocedure	Date	Time	Analyst
CALCIUM	51.3	MG/L	0.03	0.12	200.7	01/07/2008	11:00	JG
IRON	0.054	MG/L	0.029	0.116	200.7	01/07/2008	11:00	JG
MAGNESIUM	22.8	MG/L	0.006	0.024	200.7	01/07/2008	11:00	JG
SODIUM	77.3	MG/L	0.034	0.136	200.7	01/07/2008	11:00	JG
CHLORIDE	81.3	MG/L	0.353	1.412	300.0	01/04/2008	17:35	JSM
FLUORIDE	0.331	MG7E	0.030	0.120	300.0	01/04/2008	17:35	JSM
SULFATE	247	MG/4	0.339	1.356	300.0	01/04/2008	17:35	JSM
BROMOFORM	3.0	UG/L	0.29	1.16	524.2	01/12/2008	08:10	E83079
CHLOROFORM	6.2	UG/L	0.33	1.32	524.2	01/12/2008	08:10	E83079
DIBROMOCHLOROMETHANE	11	UG/L	0.30	1.20	524.2	01/12/2008	08:10	E83079
DICHLOROBROMOMETHANE	11	UG/L	0.25	1.00	524.2	01/12/2008	08:10	E83079
TOTALTRIHALOMETHANES	31	UG/L	0.50	2.00	524.2	01/12/2008	08:10	E83079
GROSS ALPHA	6.0+/-1.0	PCI/L	0.7	2.8	900.0	01/12/2008	08:00	E84025
RADIUM-226	1.2+/-0.6	PCI/L	0.6	2.4	903.0	01/16/2008	13:00	E84025
RADIUM-228	1.0 U	PCI/L	1.0	4.0	RA-05	01/21/2008	13:00	E84025
BICARBONATE ALKALINITY	36.0	MG/L	0.594	2.376	SM2320B	01/07/2008	14:24	SMM
CARBONATE ALKALINITY	0.594 U	MG/L	0.594	2.376	SM2320B	<del>01/07</del> /2008	14:24	SMM
TOTAL ALKALINITY	36.0	MG/L	0.594	2.370	SM2320B	01/07/2008	14:24	SMM
TOTAL DISSOLVED SOLIDS	564 X	MG/L	7.26	29.04	SM2540C	01/04/2008	15:00	СВ
ARSENIC	0.00132 U	MG/L	0.00132	0.00528	SM3113B	01/04/2008	14:56	JG
AMMONIA NITROGEN	0.902	MG/L	0.005	0.020	SM4500-NH3	C 01/04/2008	15:44	YW
UNIONIZEO AMMONIA	0.053	MG/L	0.001	0.004	SOP 10/03/83	01/07/2008	15:48	KD

### BENCHMARK

EnviroAnalytical Inc.



FDOH Certification #E84167

Peace River/Manasota R W S

Arcadia, FI 34269

8998 Sw County Road 769

### THESE RESULTS MEET NELAC STANDARDS ANALYTICAL TEST REPORT

### RADIONUCLIDES

62-550.310 (6)

REPORT NUMBER: SYSTEM NAME: **Entry Point** 8040802

SYSTEM ID: 6142734

4030	4020	<b>I.D.</b>
RADIUM-228	RADIUM-226	Parameter NAME GROSS ALPHA
	5	(MCL)
PCI/L	PCI/L	UNITS PCI/L
1.0	1.1+/-0.6	ANALYSIS RESULT
C		QUALIFIER
Ra-05	903.0	<b>METHOD</b> 900.0
1.0	0.6	<b>MD</b> L 1.2
05/09/2008	05/07/2008	<b>DATE ANALYZED</b> 05/06/2008
09:15	11:00	TIME ANALYZED 08:00
E84025	E84025	<b>LAB ID</b> E84025

### DATA QUALIFIERS THAT MAY APPLY:

I= Reported value is between the laboratory MDL and the PQL. (PQL =  $4 \times$  MDL).

MBAS calculated as LAS; molecular weight = 348.

NOTES:

 $\mbox{\it U}=\mbox{\it Analyte}$  analyzed but not detected at the value indicated.  $\mbox{\it X}=\mbox{\it Value}$  exceeds MCL.

For questions and comments regarding these results, please contact Katharine Dixon at (941) 723-9986

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DATA QUALIFIERS THAT MAY APPLY:

I = Reported value is between the laboratory MDL and the PQL. (PQL = 4 x MDL). U = Analyte analyzed but not detected at the value indicated. X = Value exceeds MCL.

NOTES:

MBAS calculated as LAS; molecular weight = 348.

C = Laboratory not NELAC certified for analyte.

For questions and comments regarding these results, please contact Katharine Dixon at (941) 723-9986

### RADIONUCLIDES

62-550.310 (6)

REPORT NUMBER: SYSTEM NAME: SYSTEM ID: 6142734 Entry Point 8070687

4030	4020	4006	4006				
RADIUM-228	RADIUM-226	URANIUM	URANIUM	GROSS ALPHA	NAME	Parameter	
	(Ji			15	(MCL)		
PCI/L	PCI/L	UG/L	70	PO	STINU		
1.0	1.2+/-0.5	1.0+/-0.3	0.747=0.4	0.7+/-1.3	RESULT	ANALYSIS	
C	<u>:</u>				QUALIFIER		
79.00	D> 05	903.0	CALC	908.0	900.0		
	1 0	0.6	0.5	0.3	1.5		
	08/07/2008	08/06/2008	07/31/2008	07/31/2008	08/04/2008	ANAI YZED	DATE
	10:25	08:00	15:30	15:30	08:00	ANALYZED	TIME
	E84025	E84025	E84025	E84025	E84025	LAB ID	

I = Reported value is between the laboratory MDL and the PQL. (PQL = 4 x MDL). U = Analyte analyzed but not detected at the value indicated. X = Value exceeds MCL. C = Laboratory not NELAC certified for analyte.

DATA QUALIFIERS THAT MAY APPLY:

NOTES:

MBAS calculated as LAS; molecular weight = 348.

For questions and comments regarding these results, please contact Katharine Dixon at (941) 723-9986

### BENCHMARK

EnviroAnalytical Inc.

DOH Certification #E84167

Peace River/Manasota R W S

8998 Sw County Road 769 Arcadia, FI 34269

> THESE RESULTS MEET NELAC STANDARDS ANALYTICAL TEST REPORT

### RADIONUCLIDES

2-550.310 (6)

9 D

RADIUM-228 RADIUM-226

> REPORT NUMBER: SYSTEM NAME: 8100654 **Entry Point**

SYSTEM ID:

O	O	O
RADIUM-228	RADIUM-226	Parameter NAME GROSS ALPHA
	Οī	(MCL)
PCI/L	PCI/L	UNITS PCI/L
1.0	1.3+/-0.5	ANALYSIS RESULT 2.9+/-0.8
C		QUALIFIER
RA-05	903.0	<b>METHOD</b> 900.0
1.0	0.6	<b>MDL</b> 0.9
11/05/2008	10/29/2008	DATE ANALYZED 11/03/2008
11:20	12:45	TIME ANALYZED 08:00
E84025	E84025	<b>LAB ID</b> E84025

### ATA QUALIFIERS THAT MAY APPLY:

= Reported value is between the laboratory MDL and the PQL. (PQL = 4 x MDL) = Analyte analyzed but not detected at the value indicated. = Value exceeds MCL.

MBAS calculated as LAS; molecular weight = 348

or questions and comments regarding these results, please contact Bettina Beilfuss at (941) 723-9986

### DATA QUALIFIERS THAT MAY APPLY:

I = Reported value is between the laboratory MDL and the PQL. (PQL =  $4 \times$  MDL).

J4 = Est value. Sample matrix interference suspected. Q = Sample held beyond accepted holidime. U = Analyte analyzed but not detected at the value indicated. X = Value exceeds MCL.

For guestions and comments recarding these results, please contact Bettina Beilfuss at (941) 723-9986

### NOTES:

MBAS calculated as LAS; molecular weight = 348. The client needs Dioxin reported in mg/L not pg/L.

### RADIONUCLIDES

Results relate only to the samples.

62-550.310 (6)

### CORRECTED REPORT SEE ATTACHED NOTES

REPORT NUMBER: SYSTEM NAME: Point Of Entry

SYSTEM ID: 6142734

9070431

4030 R	4020 R	4006 U	4006 U	1.D. 4000 G	ט
RADIUM-228	RADIUM-226	URANIUM	URANIUM	NAME GROSS ALPHA	Parameter
	ഗ്വ			(MCL)	
				į.	
PCI/L	PCI/L	UG/L	PCI/L	PCI/L	
1.0	1.2+/-0.6	0.9+/-0.4	0.6+/-0.3	RESULT	ANALYSIS
C				QUALIFIER U	
Ra-05	903.0	CALC	908.0	<b>METHOD</b> 900.0	
1.0	0.6	0.75	0.4	1.6	) )
07/22/2009	07/22/2009	07/16/2009	07/16/2009	07/17/2009	DATE
11:40	12:00	14:30	14:30	08:00	TIME
E84025	E84025	E84025	E84025	E84025	- 0 5

### DATA QUALIFIERS THAT MAY APPLY:

I = Reported value is between the laboratory MDL and the PQL. (PQL =  $4 \times \text{MDL}$ ).

MBAS calculated as LAS; molecular weight = 348. The client needs Dioxin reported in mg/L not pg/L.

NOTES:

J4 = Est value. Sample matrix interference suspected.
0 = Sample held beyond accepted holdtime.
U = Analyte analyzed but not detected at the value indicated.
X = Value exceeds MCL.

For questions and comments regarding these results, please contact Bettina Beilfuss at (941) 723-9986

Results relate only to the samples.