



# MANATEE COUNTY FLORIDA

June 14, 2011

TO: All Proposers

SUBJECT:

Request For Proposal (RFP) #11-1065FL  
Odor and Corrosion Control Services

## ADDENDUM #1

The following items are issued to add to, modify and clarify the Request For Proposal document. Proposals are to be submitted on the specified time and date due, in conformance with the additions and revision listed herein.

1. Responses to the following questions:

The County will respond to the following questions by particular site as follows:

- a. How many locations are being treated?
- b. What are they currently being treated with?
- c. What are the flow rates (MGD) of the locations currently being treated?
- d. How much H<sub>2</sub>S (ppm) per locations currently being treated?
- e. How many are force mains/gravity?

## SOUTHWEST PLANT

- a. How many locations are being treated?  
Two locations, the headworks and the gravity thickner.
- b. What are they currently being treated with?  
A 600 cfm biofilter and a 2500 cfm biofilter respectively.
- c. What are the flow rates (MGD) of the locations currently being treated?  
6 to 25 MGD avg and .05 to 0.75 MGD respectively.
- d. How much H<sub>2</sub>S (ppm) per locations currently being treated?  
Unknown.
- e. How many are force mains/gravity?  
Both are force main.

Financial Management Department

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WEB: [www.mymanatee.org](http://www.mymanatee.org) \* PHONE: 941.749.3014 \* FAX: 941.749.3034

## SOUTHEAST PLANT

- a. How many locations are being treated?  
One
- b. What are they currently being treated with?  
Biological and odor control system
- c. What are the flow rates (MGD) of the locations currently being treated?  
5.3 mgd.
- d. How much H2S (ppm) per locations currently being treated?  
0.
- e. How many are force mains/gravity?  
Two.

## NORTH PLANT

- a. How many locations are being treated?  
One headworks.
- b. What are they currently being treated with?  
Biological and odor control system
- c. What are the flow rates (MGD) of the locations currently being treated?  
4.1 mgd.
- d. How much H2S (ppm) per locations currently being treated?  
0.
- e. How many are force mains/gravity?  
One

## LIFT STATION

The following attached data is provided for the County's Lift Stations.

Attachment "A" – Odor Control Flow Charts (1 chart for each treatment plant)

Attachment "B" – Post Treatment H2S

Attachment "C" – Lift Station Spreadsheet

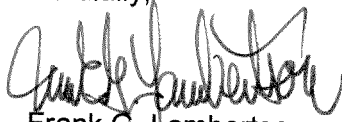
- f. What is the amount spent per year for Odor and Corrosion control programs?

\$2,400,000 (estimated)

- 2. No additional questions will be considered after the issuance of this Addendum.

Proposals are to be prepared as instructed in this Request For Proposals and shall be received at Manatee County Purchasing Office, Suite 803, 1112 Manatee Avenue West, Bradenton, Florida, FL 34205 until **4:00 P.M., Tuesday, June 28, 2011.**

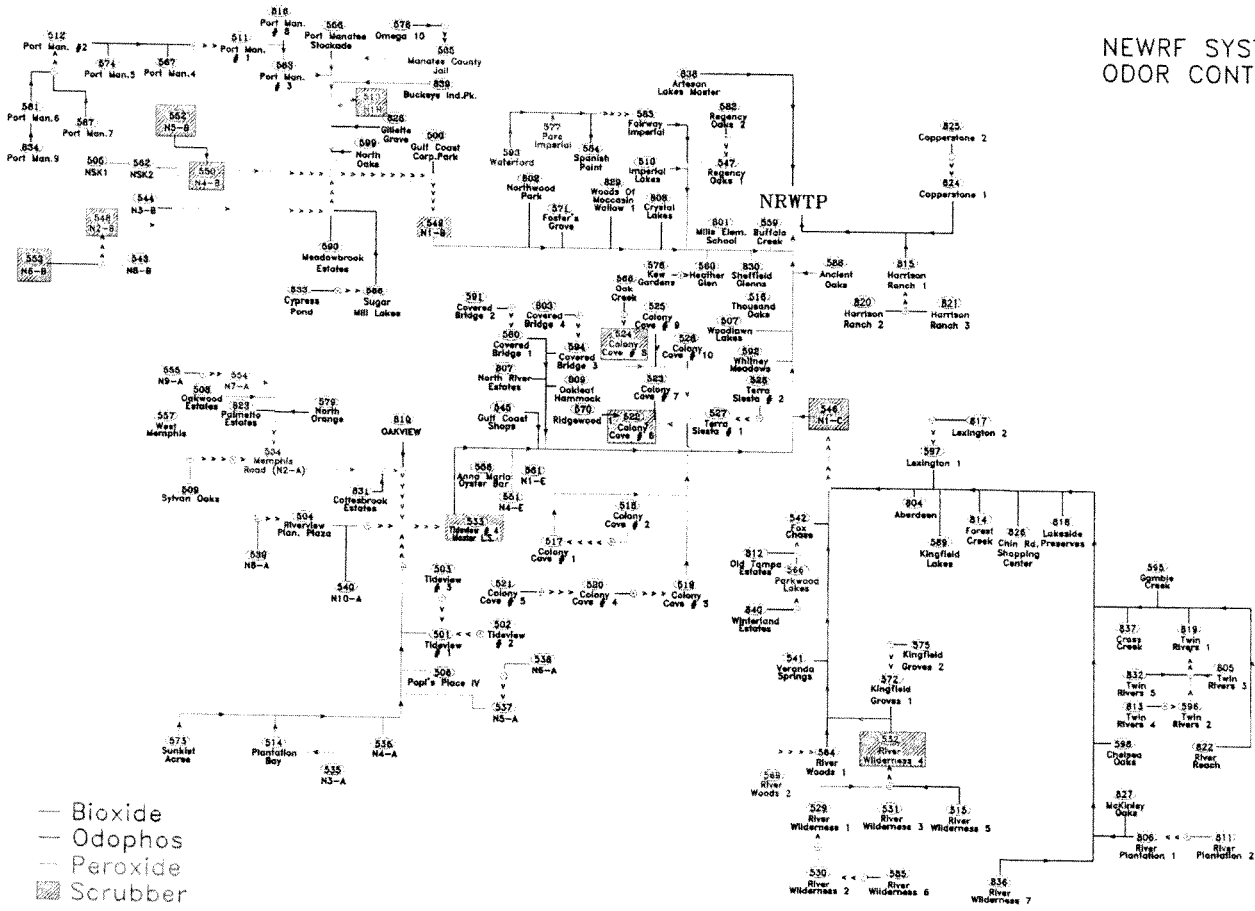
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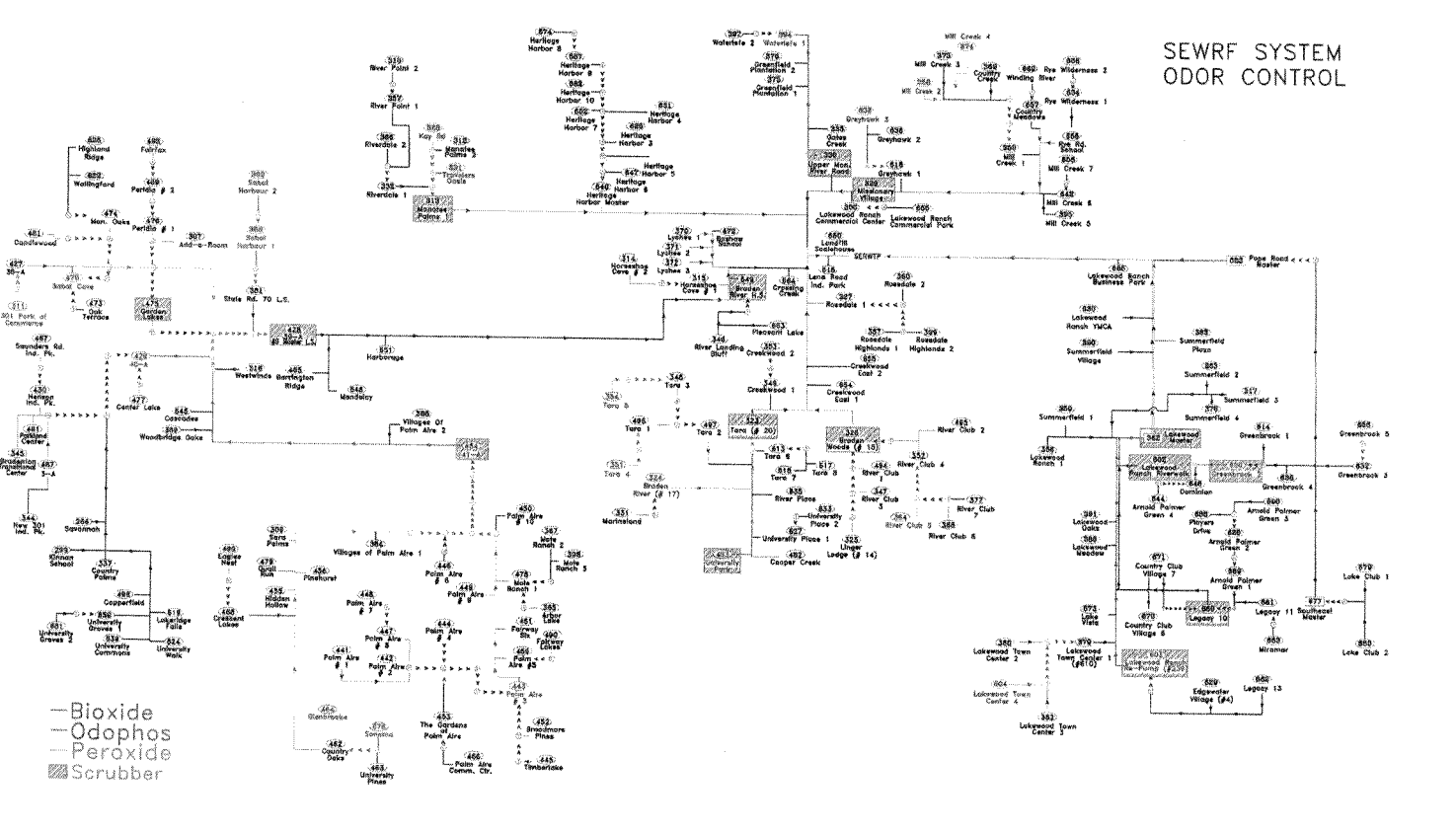
Frank G. Lambertson  
Contracts Negotiator

# ATTACHMENT "A"

## NEWRF SYSTEM ODOR CONTROL

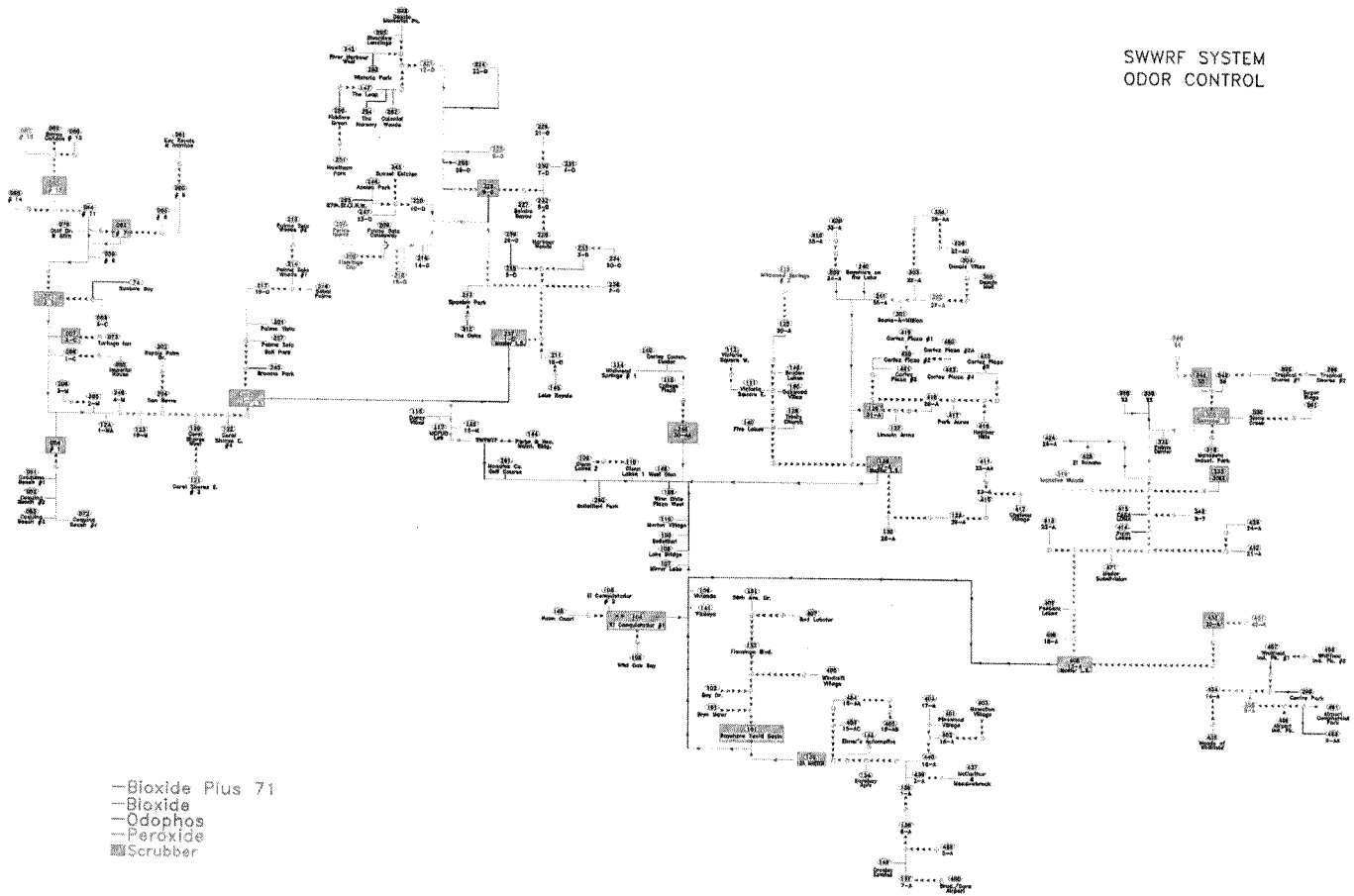


# SEWRF SYSTEM ODOR CONTROL



— Biocide  
- - - Odophos  
... Peroxide  
▨ Scrubber

SWWRF SYSTEM  
ODOR CONTROL



Survey Sheet ID: 3220 Customer: [1053626] MANATEE, COUNTY CLK CIR C Survey: Manatee County Southeast

Site	Station	CSS	Date	Site Hours	Time	Travel Miles	Allow In	Allow Out	H2S In (PPM)	MU H2O Cont	NO3 Drain	pH @ Drain	VFD Hertz	FR	Level	FR	Level	FR	Level	FR	Level	Dis Surface	H2S Out (PPM)	H2S Vapor	Lg For Sulf	MU H2O	NO3	ORP	pH	Temp	Noise Y/N
41A	(RTU #45)	Analysis	03/22/11	1.0	12:05 PM	12	X	137	X	30	3	2.23	48	Odophos+ 213	Odophos+ 1200	X	X	X	X	X	X	.6	0	36	0	7	X	X	6.5	76.4	Y
PALM	(RTU #42)	Analysis	03/22/11	.25	01:00 PM	2	X	X	X	X	X	X	X	Boxite 60	Boxite 300	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	N
GLENN	(RTU #44)	Analysis	03/07/11	.25	10:25 AM	1	X	X	X	X	X	X	X	Boxite 50	Boxite 480	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	N
39A	(RTU #428)	Analysis	03/07/11	.52	01:20 PM	2	X	500	X	80	2.18	1.71	60	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	N
GARDEN	LAKES (RTU #415)	Analysis	03/07/11	.50	02:00 PM	1	X	250	X	3	2.5	1.83	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	N
40A	(RTU #429)	Analysis	03/07/11	.50	12:45 PM	1	X	X	X	X	X	X	X	Odophos 75	Odophos 4750	X	X	X	X	X	X	2.5	0	X	X	X	X	X	X	X	N
PET MILK	(RTU #470)	Analysis	03/07/11	.50	11:30 AM	1	X	X	X	X	X	X	X	Odophos+ 69	Odophos+ 900	X	X	X	X	X	X	7	4	5	0	0	X	X	6.7	77.7	N
COMMERCE	PX 301 PARK OF COMMERCE (RTU #311)	Analysis	03/07/11	.25	10:46 AM	5	X	X	X	X	X	X	X	Boxite 15	Boxite 1025	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	N
38A	(RTU #302)	Analysis	03/07/11	.25	11:15 AM	3	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	4	X	2	X	X	X	X	7.1	76.2	N
USEPPA	(SABAL HARBOR #2) (RTU #292)	Analysis	03/09/11	.5	09:45 AM	1	X	X	X	X	X	X	X	Odophos+ 28	Odophos+ 480	X	X	X	X	X	X	0	X	0	0	X	X	X	5.9	78.6	N
SITE SERVICE STATION	SABAL KEY	Analysis	03/09/11	.25	10:20 AM	2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	3	4	0	X	X	X	5.6	75.6	N	
BRADEN RIVER HIGH SCHOOL	HSC 2	Analysis	03/09/11	1.0	10:45 AM	3	X	245	X	20	2.22	0	2.39	24.6	X	X	X	X	X	X	X	1	4	0	0	X	X	5.8	78.3	N	
BRADEN RIVER #17 (RTU #23)	HSC 2	Analysis	03/09/11	0	10:20 AM	0	X	X	X	X	X	X	X	Boxite 0	X	X	X	X	X	X	X	3	4	0	0	X	X	7.4	76	N	
ARVODA #16 (RTU #48)	Analysis	03/22/11	.925	01:30 PM	2	X	0	X	X	X	X	X	X	Odophos+ 34	Odophos+ 800	X	X	X	X	X	X	3	3	0	0	X	X	6.8	77.6	N	
														Boxite 89	Boxite 1800	X	X	X	X	X	X	3	0	0				7	76	N	

TARA 20	Analysis	03/09/11	.75	11:45 AM	2	300	X	X	15	45	1	2.25	43	X	X	X	X	X	2	0	X	X	X	X	5	5.8	79	N
TARA 351 TARA #4 (RTU #351)	TARA 354 / TARA #6 (RTU #354)	03/09/11	0	01:20 PM	0	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	N
TARA 354 TARA #5 (RTU #354)	TARA 351 / TARA #4 (RTU #351)	03/09/11	0	01:30 PM	0	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	N
TARA 2	TARA 351 / TARA #4 (RTU #351)	03/09/11	.25	01:15 PM	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	N
TARA 1		03/09/11	.25	01:30 PM	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	N
MILL CREEK 2 (RTU #358)	Analysis	03/19/11	.25	09:45 AM	2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	N
MILL CREEK 1		03/19/11	.25	10:05 AM	2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	N
MILL CREEK 4 (RTU #374)	Analysis	03/19/11	.25	09:25 AM	3	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	N
GREYHAWK LANDINGS #3 (RTU #697)	Analysis	03/21/11	.25	11:00 AM	8	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	N
GREYHAWK LANDINGS 1	GREYHAWK LANDINGS #2 (RTU #627)	03/21/11	.25	11:15 AM	2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	N
MISSIONARY VILLAGE	GREYHAWK LANDINGS #3 (RTU #627)	03/22/11	1.0	09:10 AM	56	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	Y
RIVER RD UPPER MANATEE RIVER ROAD #13 (RTU #320)	Analysis	03/18/11	.5	08:45 AM	13	216	X	X	20	2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	N
BROADEN WOODS #18 (RTU #328)	Analysis	03/10/11	.50	12:00 PM	6	122	X	X	4	36	2	2.61	50	X	X	X	X	X	X	X	X	X	X	X	X	X	X	N
UNGER LODGE #14 (RTU #323)	Analysis	03/10/11	0	12:00 PM	0	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	N





Survey Sheet ID: 3230 Customer: [1053626] MANATEE, COUNTY CLK CIR C Survey: Manatee County Southwest

Lt Station	CDS	Date	Site Hours	Time	Travel Miles	Airflow Out	H2S In (ppm)	HAU H2O Cont	pH Drain	VFD Hertz	FR	Level	FR	Level	FR	Level	Cl2	D6 Sulfide	H2S Out (ppm)	H2S Vapor	Lt Sulf	MU H2O	NO3	ORP	pH	Temp	Notes	
10 (RTU #237)	Analysis	03/15/11	0.5 AM	08:00 AM	20.5	216	140	X	X	X	X	ES-C 160	X	Bioach 460	X	X	X	X	0	0	X	0.2	X	883	X	7.11	23.0	N
90 (RTU #225)	Analysis	03/15/11	0.25 AM	09:30 AM	0.5	83	8	X	1.98	40	X	BP 71 1000	X	X	X	X	X	0.2	0	X	X	X	X	X	X	7.11	23.0	N
120 (RTU #221)	Analysis	03/15/11	0.25 AM	09:45 AM	1.5	X	X	X	X	X	X	Bioach 15	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	N
150 (RTU #218)	Analysis	03/15/11	0.5 AM	10:30 AM	5.0	X	X	X	X	X	X	Oodipos+ 160	X	X	X	X	X	0	0	X	48	0	0	6.54	24.3	N		
FLAMINGO CAY (RTU #208)	Analysis	03/15/11	0.5 AM	11:00 AM	1.6	X	X	X	X	X	X	Bondo 170	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	N
PERICO ISLAND (RTU #207)	Analysis	03/15/11	0.25 AM	11:30 AM	0.5	X	X	X	X	X	X	Bondo 245	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	N
LS #16	Analysis	03/15/11	0.5 PM	12:00 PM	6.0	X	X	X	X	X	X	BP 71 1080	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	N
12 (RTU #85)	Analysis	03/15/11	0.75 PM	01:15 PM	0.5	X	X	X	X	X	X	BP 71 2000	X	X	X	X	X	0.9	0	X	0	X	X	X	X	6.94	25.6	N
7 (RTU #82)	Analysis	03/15/11	0.5 PM	02:15 PM	1.5	X	X	X	X	X	X	X	X	X	X	X	X	0.7	0	X	18	X	X	X	X	6.97	24.6	N
5 (RTU #71)	Analysis	03/17/11	1.25 AM	08:30 AM	25.5	265	32	5.0	2.02	53	X	Oodipos+ 2700	X	X	X	X	X	2.8	0	X	6	X	X	X	7.01	23.2	N	
1 (RTU #54)	Analysis	03/17/11	0.5 AM	10:15 AM	1.5	X	0	X	X	X	X	X	X	X	X	X	X	X	0	0	X	X	X	X	X	X	X	N
1M	Analysis	03/17/11	1.25 AM	10:45 AM	3.5	X	<15	X	X	X	X	PRISC 50 1650	X	X	X	X	X	0.4	0	X	24	X	X	X	X	6.72	24.1	N
SW 1 (8915 BIOFILTER)	Analysis	03/17/11	0.75 PM	01:30 PM	0.5	2286	14	12.5	2.21	X	X	X	X	X	X	X	X	X	0	0	X	0.2	X	X	X	X	N	
SWRWWTP HEADWORKS	Analysis	03/17/11	0.5 PM	12:45 PM	3.5	375	225	5.4	1.40	38	X	X	X	X	X	X	X	X	0	0	X	2	X	X	X	X	N	
20A4 (RTU #240)	Analysis	03/17/11	0.5 PM	03:00 PM	0.5	180	18	X	X	X	X	ES-C 170	X	Bioach 240	X	X	X	X	0	0	X	X	X	X	X	X	7.34	N
WILDEWOOD																												





Survey Sheet ID: 3264 Customer: [1053626] MANATEE, COUNTY CLK CIR C Survey: Manatee County Southwest

Site Station	COG	Date	Site Hours	Tide	Travel Miles	Airflow Out	H2S In (PPM)	H2O Cont	pH @ Drain	VFD Hertz	FR	Level	FR	Level	FR	Level	O2	D5 Sulfide	H2S Out (PPM)	H2S Vapor	Liq Tot Sulf	MU H2O	NO3	ORP	pH	Temp	Notes	
10 (RTU #237)	Analysis	03/24/11	0.75	08:40 AM	4.0	216	240	X	X	X	X	ES-C 150	X	Biaoh 390	X	X	X	120	X	X	X	0.2	X	887	X			Y
9D (RTU #228)	Analysis	03/24/11	0.75	09:45 AM	2.0	93	5	X	X	2.13	X	X	X	X	X	X	X	30	X	X	X	X	X	X	X	7.0+	25.8	N
8D (RTU #225)	Analysis	03/24/11	0.25	10:30 AM	1.0	X	X	X	X	X	BP 71 34	X	BP 71 700	X	X	X	X	X	X	X	X	X	X	X	X	X	X	N
120 (RTU #221)	Analysis	03/24/11	0.25	10:45 AM	1.5	X	X	X	X	X	Bioxide 15	X	Bioxide 145	X	X	X	X	X	X	X	X	X	X	X	X	X	X	N
150 (RTU #218)	Analysis	03/24/11	0.5	01:15 PM	10	X	X	X	X	X	Oxophos+ 24	X	Oxophos+ 525	X	X	X	X	X	0.0	X	0	X	0	X	6.40	27.3	N	
FLAMINGO CAY (RTU #209)	Analysis	03/29/11	0.25	07:45 AM	22.5	X	X	X	X	X	X	Bioxide 515	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	N
PERICO ISLAND (RTU #207)	Analysis	03/29/11	0.25	08:00 AM	0.5	X	X	X	X	X	X	Bioxide 225	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	N
LS #15	Analysis	03/29/11	0.25	08:15 AM	6.0	X	X	X	X	X	BP 71 14	X	BP 71 980	X	X	X	X	X	X	X	X	X	X	X	X	X	X	N
12 (RTU #85)	Analysis	03/29/11	0.5	08:30 AM	0.5	X	X	X	X	X	BP 71 8	X	BP 71 1925	X	X	X	X	0	X	0	5	X	X	X	7.23	24.5	N	
7 (RTU #82)	Analysis	03/29/11	0.5	08:00 AM	27.5	X	X	X	X	X	X	X	X	X	X	X	X	0.2	X	0	4	X	X	X	7.76	24.2	N	
5 (RTU #71)	Analysis	03/29/11	2.0	08:30 AM	1.5	295	2	5.0	2.33	53	X	Oxophos+ 248	X	Oxophos+ 4225	X	X	X	1.8	X	0	4	X	X	X	6.88	23.8	Y	
1 (RTU #54)	Analysis	03/29/11	0.25	11:30 AM	1.5	X	2	X	X	X	X	X	X	X	X	X	X	4.5	X	0	1	X	X	X	X	X	N	
114	Analysis	03/29/11	1.0	12:15 PM	3.5	X	<15	X	X	X	X	X	X	X	X	X	X	0	X	16	160	X	0	X	6.89	23.9	N	
SW 7 (B016 BIOFILTER)	Analysis	03/30/11	0.75	11:25 AM	0.0	2295	18	13.0	1.90	X	X	PRISC 50 889	X	X	X	X	X	0	X	0	0	X	5.0	X	X	X	N	
SURVIVOR HEADWORKS	Analysis	03/30/11	0.75	10:30 AM	6.0	289	92	5.2	1.84	38	X	X	X	X	X	X	X	0	X	0	0	X	4	X	X	X	N	
30AA (RTU #249)	Analysis	03/20/11	0.5	01:45 PM	0.5	177	8	X	X	X	X	ES-C 185	X	Biaoh 275	X	X	X	0	X	0	0	X	X	X	883	X	X	N
WILDEWOOD																												

=28844





# ATTACHMENT "C"

LIFT STATION NAME/NO.	RTU #	WWT/P	STREET ADDRESS	GPM	ADPT	AVERAGE DAILY FLOW	FORCE MAIN SIZE	FORCE MAIN TYPE	FORCE MAIN TERMINATION LOCATION
#1	54 SW		111 6TH ST. S.	300	8.50	153,000	6 CIP		2650 #5 F.M. N. SIDE OF CORTIZ RD. BRIDGE
#12	65 SW		501 MAGNOLIA AV.	600	7.00	252,000	8 CIP		1650 M.H. N. SHORE DR. & PALM AV.
#15	67 SW		420 N. BAY BLVD.	250	7.00	105,000	6 CIP		1675 M.H. BAY BLVD. 20E OF BRIDGE
#5 MASTER	71 SW		4300 GULF DR.	1830		794,613	18X20 DIP		19212 M.H. CORTIZ RD. @ WATER BOOSTER STATION
#7	62 SW		6900 HOLMES BLVD.	800	7.20	345,600	10 CIP		350 #11 F.M. 68ST & HOLMES BLVD.
12-A MASTER	139 SW		2007 BAY DR.	3000		NA	20X24X30 DIP		25044 27-A F.M. 34th ST & 53rd AV. W.
12-D	221 SW		7830 DESOTO MEMDR.	500	9.50	285,000	8X10X12 C 900		6450 M.H. 9AV. N.W., E. OF 68ST CT. N.W.
13-A MASTER	408 SW		112 65AV E	3119		1,943,195	24 DIP		12913 12-A F.M. 34ST W. & 60AV. W.
15-D	218 SW		1001 PALMA SOLA BLVD.	600	5.90	212,400	12X16X20 C 900		11991 M.H. .59ST. W. 25S. OF MAN. AV.
1-D MASTER	237 SW		1806 51ST. ST. W.	800		945,407	20X24 CIP		12040 1-M F.M. 66ST. & CORTIZ RD. N. SIDE
1-M MASTER	203 SW		8720 44TH AVE. W.	3393		1,602,306	24X30 DIP		11526 S.W.R. T.P.
20-A	433 SW		5922 12TH ST. E.	651	3.60	140,616	8 CIP		1651 M.H. 6204 12ST. E.
27-A MASTER	138 SW		2484 53RD AVE. W.	2950		NA	20 DIP		3154 12-A F.M. 34ST W. & 53AV. W.
2-C	57 SW		2301 AVE.	400	6.20	148,800	6 CIP		10 #5 F.M. A.V. C. & 23ST.
301 PARK OF COMMERCE	311 SE		2315 58TH AVE. E.	105	3.80	23,940	4 PVC		M.H. S. END 24th ST. E., OFF SR70. E. SIDE NEAR 5700 24ST. E.
30-AA	248 SW		4602 34ST. W.	1000	3.71	222,600	12 PVC		27-A F.M. 63AV. & 34ST. W.
30-EE	333 SW		3831 11TH ST. E.	125	6.90	712,404	4 PVC		1175 M.H. 9th. ST. E. & 40th AVE.
31-A	126 SW		1710 47TH AVE. DR. W.	1542	7.70	51,750	14 CIP		2800 34-A F.M. 48AV. W. & 28ST. W. S.E. CORNER
37-A	302 SW		801 39AV. W.	480	10.30	296,640	8 CIP		1805 M.H. 14ST. W. & 38AV. W. N.W. CORNER
39-A MASTER	428 SE		5621 39TH ST. E.	2300		1,436,521	20 DIP		19550 S.E.W. T.P.
40-A	429 SE		3550 63RD. AVE. E.	750	5.50	247,500	8 DIP		41-A F.M. 63AV. & 39ST. E.
41-A	454 SE		8341 W. CENTRY CLUB LN.	2000		473,562	16 PVC		M.H. NW CORNER, 63AV. & 39ST. E.
42-A	431 SW		1560 60 AV. DR. E.	200	2.80	33,600	6 CIP		756 M.H. 6024 15ST. E. FRONT OF #6
8-D	225 SW		6700 9AV. N.W.	750	3.20	144,000	8 DIP		3600 12D F.M. 9AV. N.W. & 72 ST. N.W.
9-A	436 SW		1180 ROME AV.	225	8.70	117,450	6 CIP		3190 M.H. 7230 15ST. E.
9-D	226 SW		6504 5TH. AVE. N.W.	1000	9.60	576,000	12 C 900		1640 15-D F.M. 67ST. N.W. & 1AV. N.W.
BAYSHORE YACHT BASIN	101 SW		2301 S. RADCLIFFE PL.	950		434,242	10 PVC		500 12-A F.M. FLORIDA BLVD. & 28ST. W. N.E. CORNER
BRADEN RIVER (#17)	324 SE		6290 LINGER LODGE ROAD	600	2.23	80,280	10 PVC		1200 ARVIDA 18 F.M. FRP. R/W.N. OF TAIL FEATHER WAY
BRADEN RIVER HIGH SCHOOL	649 SE		5265 60th. ST. E.	420	1.00	25,200	6 C900		120 39A F.M. W. OF L.S.
BRADEN WOODS (#18)	326 SE		6555 99TH ST. E.	750		164,171	10 PVC		9750 TARA 20 F.M. SR 70 & LENA RD. N.W. CORNER
COLONY COVE 6	522 NE		762 COLONY DR. N.	1100		275,285	12 PVC		900 TW4 F.M. US 301, 400E OF C.C. ENTRANCE
COLONY COVE 8	524 NE		1100 LAKESHORE DR.	250	6.93	103,950	6X10 PVC		COLONY COVE 6 L.S.
EL CONQUISTADOR 1	104 SW		3790 EL. CONQ. PKWY	800		442,326	10 C900		12-A F.M. BAYSHORE GDNS. PKWY. & 34ST. W. S.E. CORN.
FLAMINGO CAY	208 SW		10200 MAN. AV. W.	320	3.80	108,000	6 PVC		6400 M.H. PALMA SOLA BLVD. & MAN. AV. S.E. CORN.
GARDEN LAKES	475 SE		5407 37ST. E.	1000	1.80	108,000	8 PVC		1300 FIRST M.H. NORTH OF 39ST. E. ON 37AV. E.
GLENBROOKE	464 SE		4601 GLENBROOKE DR.	150	7.60	68,400	4 PVC		COUNTRY OAKS F.M. @ LOCKWOOD RIDGE RD. & GLENBROOKE D
GRENBROOK 2	620 SE		13324 ADVENTURE PLACE	300	9.80	176,400	6 X 8 C900		6872 M.H. @ RIVERWALK L.S.
GREYHAWK LANDINGS 3	637 SE		12407 DAISY PLACE	343	4.30	88,494	6 C900		5229 M.H. DAISY PL. E. OF GREYHAWK LANDING BLVD.
KAY RD. (#10)	328 SE		900 KAY RD.	200	1.50	18,000	6 PVC		2950 M.H. W. OF MANATEE PALMS #1 L.S.
LAKEMOOD RANCH MASTER	362 SE		11600 CLUBHOUSE DR.	1520		966,444	12 C900		SEWWT/P
LAKEMOOD RANCH RE-PUMP	603 SE		8135 LAKEMOOD RANCH BLVD.	1224	2.10	154,224	8 PVC		1501 LAKEMOOD RANCH MASTER L.S.
LAKEMOOD RANCH RIVERWALK	602 SE		7035 HONEYSUCKLE TRAIL	1427	6.30	539,406	6 X 8 C900		925 THE MASTERS F.M.
LAKEMOOD TOWN CENTER 4	604 SE		7540 TOWN CENTER PARKWAY	381	2.80	64,008	6 C900		6610 3RD. M.H. W. OF TOWN CENTER 1 L.S.
LEGACY 10	660 SE		7955 LEGACY BLVD.	974	3.20	187,008	10 C900		7590 12 F.M. @ LAKEMOOD RANCH BLVD. & MASTERS AVE.
MANATEE COUNTY JAIL	565 NE		14470 HARLEE RD.	200	4.90	102,000	6 PVC		PORT MAN STOCKRADE F.M. @ PAT GLASS BLVD. & HARLEE RD
MANATEE PALMS 1	313 SE		115 KAY ROAD	700	7.50	205,800	12 PVC		650 S.E. W. T.P.
MANATEE WOODS	319 SW		3600 3ST. E.	133	4.90	59,850	8 PVC		3000 M.H. 37AV. DR. E. & 9 ST. E.
MEMPHIS ROAD	534 NE		1721 17ST. E.	775	8.20	381,300	12 PVC		3798 M.H. @ 17th. ST. E. & 28th. AVE.
MILL CREEK 2	356 SE		13407 2AV. N.E.	95	2.90	16,330	6 PVC		8100 MILL CREEK 1M.H. @ 201 131ST. E.
MILL CREEK 4	374 SE		811 137TH ST. N. E.	467	2.50	70,050	6 C900		3591 MILL CREEK #2 F.M.
MISSIONARY VILLAGE	329 SE		1201 117 ST. E.	930	6.50	362,700	6 PVC		4400 UPPER MAN. RIV. RD. F.M. @ SR64 AND UPPER MAN. RIV. RD.
N1B MASTER	549 NE		2887 69 ST. E.	1400		915,787	16 PVC		18675 T.V. #4 FM. ERIE RD. ENTRANCE TO NEWWT/P
N1C	546 NE		3800 ERIE RD.	1400		481,800			T.V. #4 FM. ERIE RD. ENTRANCE TO L.S.
N1H	513 NE		11220 US41 NORTH	500		158,483	12 PVC		12200 M.H. US41 & ERIE RD.
N2B	548 NE		326 47ST. W.	1000	3.60	216,000	12 PVC		11570 M.H. @ US41 & PALM VIEW RD.
N4B	550 NE		1211 72ST. E.	1080	1.10	71,280	10 PVC		4300 M.H. @ 68ST. E. & US41
N5B	552 NE		8818 BAYSHORE RD.	600	0.30	10,800	8 PVC		7795 N4B M.H. @ 7400 BAYSHORE RD.
N6B	553 NE		755 33ST. W.	430	1.60	41,280	6 PVC		6811 M.H. @ 3313 5AV. W., BAYOU ESTAIRES
N7A	554 NE		2889 16th. AVE. E.	315	8.80	166,320	6 PVC		4040 M.H. @ CANAL RD. & 21ST. E.
PALM AIRE 3	443 SE		7583 WHITFIELD AV.	1000	5.80	348,000	8 PVC		P.A.#5 F.M., WHITFIELD AV. & COUNTRY CLUB WAY
PARC IMPERIAL	577 NE		6150 BOBBY JONES RD.	150	3.60	32,400	4 PVC		2400 M.H. @ 6255 BOBBY JONES CT.
PARKWOOD LAKES	566 NE		2700 88AV. E.	150	4.00	36,000	6 PVC		3800 FOX CHASE M.H. @ 3305 92AV. E.
PERICO ISLAND	207 SW		407 107th. CL. W.	165	1.70	16,830	6 PVC		2750 FLAMINGO CAY F.M. MAN. AV. & 102ST. W.
RIVER CLUB 5	364 SE		7515 RIVER CLUB BLVD.	180	10.20	97,920	4 PVC		1430 M.H. RC#4. RIVER CLUB BLVD. & ROYAL LYTHAM AVE

LEFT STATION NAME/NO.	RTU # / WWTP	STREET ADDRESS	GPM	ADRT	AVERAGE DAILY FLOW	FORCE MAIN SIZE	FORCE MAIN TYPE	FORCE MAIN TERMINATION LOCATION
RIVER WILDERNESS 4	532 NE	11721 OLD TAMPA RD.	500	2.00	60,000	10" PVC		6400 INT-C M.H.
RIVER WOODS 2	569 NE	11543 30TH COVE E.	205	3.70	45,510	6" PVC		4990 MH, 3009 RIVER WOODS DR.
S-4	340 SW	1919 15th. ST. E.	100	3.90	23,400	4" PVC		1780 M.H., 15ST. E. & 26AV. E.
S-5	470 SE	2206 26th AV. E.	450	13.30	359,100	8" PVC		1370 M.H., 30AV. E. & 23ST. CT. E.
SABAL COVE	388 SE	4503 SABAL KEY DR.	935	10.40	583,440	6" PVC		700 38A FM, SR70 & 33ST. E.
SABAL HARBOR 1	392 SE	4524 USEPPA DRIVE.	550	5.15	169,950	8" PVC		2180 M.H. @ N.W. COHN, SR70 & 45ST. E.
SABAL HARBOR 2	308 SW	1801 34AV. E.	296	3.20	56,832	4" C900		1910 M.H. @ 4650 SABAL HARBOUR DRIVE
SAMOSET 1	678 SE	5329 NAPA DRIVE	1150		239,876	12X16" PVC		6670 M.H., 9ST. E. & 53AV.
SONOMA	323 SE	7211 STONE RIVER ROAD	138	4.70	38,916	4" C900		1129 MH, COUNTRY PKY.
TARA 20 MASTER	351 SE	6311 STONE RIVER ROAD	2000	1.00	541,056	18X20" C900		2950 39A F.M. @ FP&L RW @ SEWWTP
TARA 4	354 SE	6514 TURNER GAP RD.	90	1.00	5,400	4" PVC		1125 MH, TARA 1, 6411 DREWRY'S BLUFF
TARA 5	354 SE	6514 TURNER GAP RD.	125	1.30	9,750	4" PVC		825 MH, @ 6625 PLEASANT HILL RD.
TIDEVIEW 4 MASTER	533 NE	1355 41ST AVE. E.	1629		1,083,573	16X20" PVC		N.E. WWTP
TRAVELER'S OASIS	321 SE	632 67ST. CIR. E.	155	9.50	88,350	4" PVC		740 M.H. @ 6821 ALPINE LN
UNIVERSITY PARK	483 SE	6926 LANGLEY PL.	500	4.10	123,000	4" PVC		13500 M.H. @ TARA 20 LIFT STATION
UPPER MANATEE RIVER RD.	330 SE	1010 UPPER MAN. RIVER ROAD	920		267,096	10X16X18" PVC		8700 MAN. PALMS FM. @ LENA ROAD & SR64
WATERFORD	593 NE	5203 LAKEHURST CT.	113	6.10	41,358	8" PVC		4198 MH, @ 8971 FOUNDERS CIR. IN FAIRWAY IMPERIAL
WATERLEFE 1	394 SE	10035 WATERLEFE AVE.	498	4.10	122,508	6 X 8" C900		7747 ? GATES CREEK F.M., W.SIDE OF UMMR @ GATES CREEK ENT.
WILDWOOD SPRINGS 2	1151 SW	3985 OAKVIEW DR.	190	4.80	54,720	6" PVC		MH, 4910 31ST. W.