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IN RE: Application of
RAINBOW SPRINGS UTILITIES,
LC to Revise Service
Availability Policy

Docket No. COMMISSION
CLERK

100439-WS

APPLICATION TO REVISE SERVICE AVAILABILITY POLICY

RAINBOW SPRINGS UTILITIES, L.C., ("Applicant"), by and through its undersigned attorneys, and pursuant to Section 367.091(1), Florida Statutes, and Rule 25-30.565, Florida Administrative Code, files this Application to revise its service availability policy to increase plant capacity and main extension fees, and in support thereof states:

1. The exact name of the Applicant and the address of its principal business office is:

Rainbow Springs Utilities, L.C.
P.O. Box 1850
Dunnellon, Florida 34430

2. The name and address of the person authorized to receive notices and communications in respect to this application is:

F. Marshall Deterding, Esquire
Rose, Sundstrom & Bentley, LLC
2548 Blairstone Pines Drive
Tallahassee, Florida 32301
(850)877-6555
(850)656-4029 Fax
martyd@rsbattorneys.com

3. The Commission approved the Applicant's existing water and wastewater plant capacity charges and water main extension charge by Order No. PSC-96-1229-FOF-WS dated December 20, 1996

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("Order"). The Applicant's existing wastewater main extension charge was approved by Order No. 10995 dated July 15, 1982.

4. The Applicant has not revised its service availability fees since the date of these Orders.

5. The currently approved charges are as follows:

	<u>Water</u>	<u>Wastewater</u>
Plant Capacity Charge		
Residential	\$208	\$767 per ERC
All others	\$0.19/gallon	\$4.79/gallon
Main Extension Charge		
Residential	\$342	\$740 per ERC
All others	\$0.32/gallon	\$4.63/gallon

6. Applicant's costs to install the necessary water transmission and distribution and sewer collection facilities, as well as water and sewer treatment and disposal facilities have increased substantially and will continue to increase in the years to come due to new environmental regulations, the distance of the remaining development from the treatment facilities, and other factors. As such, the Applicant is seeking an increase in service availability charges so that it may comply with the requirements of Commission Rule 25-30.580, F.A.C. and avoid the subsidization of the new costs by increased rates on the general body of ratepayers.

7. A schedule explaining the basis for the requested changes in service availability charges and conditions is attached hereto as **Schedule 2 of Exhibit 1.**

8. A schedule showing the original cost of any existing water transmission and distribution systems and sewage collection systems by Uniform System of Accounting account numbers as required by Rule 25-30.115, F.A.C. and the related capacity of each system as of 90 days prior to the Application is attached hereto as **Schedules 5 and 17 of Exhibit "1."**

9. A detailed statement of accumulated depreciation for the plant listed in **Schedule 5 of Exhibit "1"** above as of 90 days prior to the Application is attached hereto as **Schedule 5 of Exhibit "1."**

10. A schedule showing the number of active customers online 90 days prior to the time of Application by meter size by customer class and the related Equivalent Residential Connections (ERC as defined by §25-30.515(8), F.A.C.) and describing the method by which an ERC is defined is attached hereto as **Schedule 14 of Exhibit "1."**

11. A detailed statement defining the capacity of the treatment facilities in terms of ERCs as used in developing the proposed service availability charges is attached hereto as **Schedule 15 of Exhibit "1."**

12. A detailed statement defining the capacity of the distribution and collection systems in terms of ERCs as used in

developing the proposed service availability charge is attached hereto as **Schedule 17** of **Exhibit "1."**

13. A listing of outstanding developer agreements is attached hereto as **Exhibit "2."** This exhibit states whether each agreement is designed to result in contributed property other than the approved system capacity charge within the next 24 months, an estimate of the value of the contributed property to be added to the Utility books, and a description of the property.

14. A schedule showing total collections of Contributions-In-Aid-of-Construction (CIAC) as of 90 days prior to the date of the Application, detailing any prepaid CIAC by amount and related reserved ERCs and anticipated connection date and referencing appropriate developer agreements is attached hereto as **Schedule 3** of **Exhibit "1."**

15. A detailed statement of accumulated amortization of CIAC as listed in Schedule 3 above, as of 90 days prior to the Application, is attached hereto as **Schedule 4** of **Exhibit "1."** Copies of approvals or permits for construction and operation of the existing treatment facilities is attached hereto as **Exhibit "3."**

16. A detailed statement by a registered professional engineer showing the cost by Uniform System of Accounting Account Number, and capacity of proposed plant expansion and a timetable showing projected construction time is attached hereto as **Schedule 6** of **Exhibit "1."**

17. A detailed statement by registered professional engineer showing how the proposed construction will affect the capacity of the existing system is attached hereto as **Exhibit 4**.

18. The expansion or plant undertaken herein is not undertaken in order to comply with mandates of local state or federal agencies, other than the requirements that the Utility expand its facilities in a timely manner in order to meet the needs for service within its service territory.

19. A schedule showing the projected growth rate for utilization of the existing plant and line capacity and future plant and line capacity is attached hereto as **Schedule 15** of **Exhibit 1**.

20. A summary schedule of how the proposed service availability charge is calculated is attached hereto as **Schedule 2** of **Exhibit 1**.

21. A schedule showing, by meter size, the cost of meters, connecting fittings, meter boxes or enclosures, and also showing sufficient data on labor and any other applicable cost to allow determination of an average cost for meter installation by type is attached hereto as **Schedule 1** of **Exhibit 1**.

22. A statement of existing and proposed on-site and off-site main installation charges or policy is attached hereto as **Schedule 18** of **Exhibit 1**.

23. The Utility's capital structure, including the cost of debt in the present capitalization, and the availability and cost

of other sources of financing the proposed expansion or upgrading of the system, is attached hereto as **Schedule 16** of **Exhibit 1**.

24. An original and three copies of the proposed tariffs in order to implement the proposed change in service availability charges is attached hereto as **Exhibit 5**.

25. The Utility has placed copies of the Application and supporting exhibits at the local office of the Utility (whose address is outlined in Paragraph 1) serving the area affected by the charges and conditions. Such copies will be made available for public inspection immediately after filing this Application.

26. The Utility will provide notice of this Application in accordance with the requirements of Rule 25-30.4345, F.A.C. A statement describing how the notice provisions have been complied with, including a copy of the actual notice, is attached hereto as **Exhibit "6."**

27. A filing fee as required by Rule 25-30.020, F.A.C. in the amount of \$3,500 is hereby submitted with this Application for both water and wastewater Application fees (\$1,750 each) required by that rule for systems with proposed capacity to serve 2,001 to 4,000 ERCs.

28. The Utility believes that the information contained herein demonstrates the appropriateness of the request of service availability charges and conditions.

WHEREFORE, RAINBOW SPRINGS UTILITIES, L.C. hereby requests that the Florida Public Service Commission approve the increased service availability charges as outlined herein as quickly as possible, in order to allow the Utility to collect those fees from all future customers rather than imposing additional costs on the general body of ratepayers.

Respectfully submitted on this
12th day of November, 2010, by:

ROSE, SUNDSTROM & BENTLEY, LLC
2548 Blairstone Pines Drive
Tallahassee, Florida 32301
Telephone: (850) 877-6555
Facsimile: (850) 656-4029
Email: martyd@rsbattorneys.com

By: 

F. MARSHALL DETERDING

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SCHEDULE NOS. 1 - 18 FROM UTILITY ACCOUNTANT

EXHIBIT "1"

Rainbow Springs Utilities L.C.
Schedule of Present and Proposed Service Availability Charges
June 30, 2010

Line No.		<u>Present Charges</u>	<u>Proposed Charges</u>
1	<u>Water</u>		
2	<u>Residential</u>		
3	Plant Capacity Charge per ERC	\$ 208	\$ 1,355
4	Main Extension Charge per ERC	342	1,000
5	Meter Fee (1)	65	180
6	<u>General Service</u>		
7	Plant Capacity Charge per gallon (350 GPD)	0.19	3.87
8	Plant Capacity Charge - Minimum charge per ERC	208	1,355
9	Main Extension Charge per gallon (350 GPD)	0.32	2.86
10	Main Extension Charge - Minimum charge per ERC	342	1,000
11	<u>Wastewater</u>		
12	<u>Residential</u>		
13	Plant Capacity Charge per ERC	767	3,125
14	Main Extension Charge per ERC	740	2,400
15	<u>General Service</u>		
16	Plant Capacity Charge per gallon (160 GPD)	4.79	19.53
17	Plant Capacity Charge - Minimum charge per ERC	767	3,125
18	Main Extension Charge per gallon (160 GPD)	4.63	15.00
19	Main Extension Charge - Minimum charge per ERC	740	2,400
20	(1) The proposed meter fee is based on the following current costs:		
21	Cost of meter		\$ 36
22	Double curb stop		76
23	Meter box		48
24	Fittings & parts		4
			<hr/>
			164
25	Labor (1 hour)		16
			<hr/>
26	Total		\$ 180

Rainbow Springs Utilities, L.C.
 Analysis of Existing and Future CIAC Levels
 Based on Proposed Service Availability Charges
 June 30, 2010 and December 31, 2018

Line No.	Balance 6/30/2010	Adjustments	Adjusted Balance 12/31/18	Schedule Reference
1	<u>Water</u>			
2	\$ 1,975,520	\$ 7,389,516 (A)	\$ 9,365,036	5, 6
3	(932,421)	(1,228,818) (B)	(2,161,239)	5, 12
4	<u>1,043,099</u>	<u>6,160,698</u>	<u>7,203,798</u>	
5	895,289	5,525,295 (C)	6,420,584	4
6	(269,900)	(743,928) (D)	(1,013,828)	5
7	<u>625,389</u>	<u>4,781,367</u>	<u>5,406,756</u>	
8	<u>\$ 417,710</u>	<u>\$ 1,379,331</u>	<u>\$ 1,797,041</u>	
9	<u>59.95%</u>		<u>75.05%</u>	
10	<u>40.05%</u>		<u>24.95%</u>	
11	<u>Wastewater</u>			
12	\$ 3,276,367	\$ 16,036,862 (A)	\$ 19,313,229	5, 7
13	(1,634,213)	(2,974,877) (B)	(4,609,090)	5, 13
14	<u>1,642,154</u>	<u>13,061,985</u>	<u>14,704,139</u>	
15	1,854,412	11,425,245 (C)	13,279,657	4
16	(591,809)	(1,660,640) (D)	(2,252,449)	5
17	<u>1,262,603</u>	<u>9,764,605</u>	<u>11,027,208</u>	
18	<u>\$ 379,551</u>	<u>\$ 3,297,380</u>	<u>\$ 3,676,931</u>	
19	<u>76.89%</u>		<u>74.99%</u>	
20	<u>23.11%</u>		<u>25.01%</u>	

Rainbow Springs Utilities, L.C.
Adjustments to CIAC Level
2010 through 2018

Line No.		<u>Water</u>	<u>Wastewater</u>	<u>Schedule Reference</u>
1	(A) <u>Utility Plant</u>			
2	(1) Estimated cost of plant upgrades per engineering estimates to serve 2018 connections	\$ 5,709,816	\$ 12,993,042	6, 7
3	(2) Estimated cost of contributed on-site water distribution & sewer collection systems thru 2018	<u>1,679,700</u>	<u>3,043,820</u>	6, 7
4	Total	<u>\$ 7,389,516</u>	<u>\$ 16,036,862</u>	
5	(B) <u>Accumulated Depreciation</u>			
6	(1) Balance 6-30-10	\$ 932,421	\$ 1,634,213	12, 13
7	(2) Total projected depreciation at 12-31-18	<u>2,161,239</u>	<u>4,609,090</u>	12,13
8	Adjustment required for additional depreciation	<u>\$ 1,228,818</u>	<u>\$ 2,974,877</u>	
9	(C) <u>CIAC</u>			
10	(1) Future plant capacity charges at proposed rates	\$ 2,055,535	\$ 4,740,625	3
11	(2) Future Main extension charges at proposed rates	1,517,000	3,640,800	3
12	(3) Future meter fees	273,060	-	3
13	(4) Future contributed property	<u>1,679,700</u>	<u>3,043,820</u>	3
14	Total	<u>\$ 5,525,295</u>	<u>\$ 11,425,245</u>	
15	(D) <u>Accumulated Amortization of CIAC</u>			
16	(1) Future amortization of existing CIAC to through 2018	\$ 217,122	\$ 468,062	4
17	(2) Amortization of proposed cash Service Availability Charges through 2018	417,774	968,018	4
18	(3) Amortization of contributed property through 2018	<u>109,032</u>	<u>224,560</u>	4
19	Total future amortization of CIAC through 2018	<u>\$ 743,928</u>	<u>\$ 1,660,640</u>	

Rainbow Springs Utilities, L.C.
Existing and Future CIAC Additions by Year
June 30, 2010 through December 31, 2018

Line No.	NARUC Account	Description	Balance June 30 2010	December 31 2010	2011	2012	2013	2014	2015	2016	2017	2018	Total
1		<u>Water</u>											
2	271.1	<u>Plant Capacity Charges</u>											
3		Total ERC's to be added		143	73	85	97	102	274	277	279	187	1,517
4		Proposed Charge		\$ 1,355	\$ 1,355	\$ 1,355	\$ 1,355	\$ 1,355	\$ 1,355	\$ 1,355	\$ 1,355	\$ 1,355	-
5		Total Plant Capacity Charges	\$ 151,590	193,765	98,915	115,175	131,435	138,210	371,270	375,335	378,045	253,385	2,207,125
6	271.2	<u>Main Extension Charges</u>											
7		Total ERC's to be added		143	73	85	97	102	274	277	279	187	1,517
8		Proposed Main Extension Charge		1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	-
9		Total Main Extension Charges	418,631	143,000	73,000	85,000	97,000	102,000	274,000	277,000	279,000	187,000	1,935,631
10		<u>Meter Fees</u>											
11		ERC's to be added		143	73	85	97	102	274	277	279	187	1,517
12		Water Meter Fee		180	180	180	180	180	180	180	180	180	-
13		Total Meter Fees	135,152	25,740	13,140	15,300	17,460	18,360	49,320	49,860	50,220	33,660	408,212
14		<u>Contributed Property</u>											
15		ERC's to be added		-	38	50	61	66	216	217	185	185	1,018
16		Estimated cost per ERC		1,650	1,650	1,650	1,650	1,650	1,650	1,650	1,650	1,650	-
17		Total Contributed Property	189,916	-	62,700	82,500	100,650	108,900	356,400	358,050	305,250	305,250	1,869,616
18		Total Water CIAC balances	\$ 895,289	\$ 362,505	\$ 247,755	\$ 297,975	\$ 346,545	\$ 367,470	\$ 1,050,990	\$ 1,060,245	\$ 1,012,515	\$ 779,295	\$ 8,420,584
19		<u>Wastewater</u>											
20	271.3	<u>Plant Capacity Charges</u>											
21		Total ERC's to be added		143	73	85	97	102	274	277	279	187	1,517
22		Proposed Plant Capacity Charge		\$ 3,125	\$ 3,125	\$ 3,125	\$ 3,125	\$ 3,125	\$ 3,125	\$ 3,125	\$ 3,125	\$ 3,125	-
23		Total Plant Capacity Charges	\$ 656,571	446,875	228,125	265,625	303,125	318,750	856,250	865,625	871,875	584,375	5,397,196
24	271.4	<u>Main Extension Charges</u>											
25		Total ERC's to be added		143	73	85	97	102	274	277	279	187	1,517
26		Proposed Main Extension Charge		2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400	-
27													
28		Total Additional Main Extension Charges	946,460	343,200	175,200	204,000	232,800	244,800	657,800	664,800	669,800	448,800	4,587,260
29		<u>Contributed Property</u>											
30		ERC's to be added		-	38	50	61	66	216	217	185	185	1,018
31		Estimated cost per ERC		2,990	2,990	2,990	2,990	2,990	2,990	2,990	2,990	2,990	-
32			251,381	-	113,620	149,500	182,390	197,340	645,840	648,830	553,150	553,150	3,295,201
33		Total Wastewater CIAC balances	\$ 1,854,412	\$ 790,075	\$ 518,945	\$ 619,125	\$ 718,315	\$ 760,890	\$ 2,159,890	\$ 2,179,255	\$ 2,094,625	\$ 1,586,325	\$ 13,279,657

Rainbow Springs Utilities, L.C.
 Summary of Existing and Future Accumulated CIAC Amortization by Year
 June 30, 2010 through December 31, 2018

Line No.	NARUC Account	Description	Rate	Balance June 30 2010	Additions to December 31 2010	2011	2012	2013	2014	2015	2016	2017	2018	Total
1		<u>Water</u>												
2		<u>Amortization of proposed charges</u>												
3	272.1	Capacity Charges	3.28%	\$	3,178	\$ 7,978	\$ 11,489	\$ 15,533	\$ 19,955	\$ 28,311	\$ 40,555	\$ 52,911	\$ 63,266	\$ 243,175
4	272.2	Main Extension Charges	2.27%		1,623	5,227	5,868	7,934	10,192	14,460	20,714	27,024	32,313	125,355
5	272.5	Meter Fees	5.00%		644	1,616	2,327	3,146	4,041	5,733	8,213	10,715	12,812	48,244
6					<u>5,444</u>	<u>14,820</u>	<u>18,683</u>	<u>26,612</u>	<u>34,189</u>	<u>48,504</u>	<u>69,481</u>	<u>90,649</u>	<u>108,391</u>	<u>417,774</u>
7	272.4	Contributed Property	2.27%		-	712	2,360	4,438	6,817	12,098	20,207	27,735	34,665	109,032
		Total future amortization			<u>5,444</u>	<u>15,532</u>	<u>22,043</u>	<u>31,051</u>	<u>41,005</u>	<u>60,602</u>	<u>89,668</u>	<u>118,385</u>	<u>143,056</u>	<u>528,808</u>
8		<u>Amortization of Existing CIAC</u>												
9	272.1	Capacity Charges	3.28%	37,103	2,486	4,972	4,972	4,972	4,972	4,972	4,972	4,972	4,972	79,386
10	272.2	Main Extension Charges	2.27%	130,092	4,751	9,503	9,503	9,503	9,503	9,503	9,503	9,503	9,503	210,867
11	272.5	Meter Fees	5.00%	68,580	3,379	6,758	6,758	6,758	6,758	6,758	6,758	6,758	6,758	128,020
12	272.4	Contributed Property	2.27%	34,125	2,156	4,311	4,311	4,311	4,311	4,311	4,311	4,311	4,311	70,769
13				<u>269,900</u>	<u>12,772</u>	<u>25,544</u>	<u>25,544</u>	<u>25,544</u>	<u>25,544</u>	<u>25,544</u>	<u>25,544</u>	<u>25,544</u>	<u>25,544</u>	<u>487,022</u>
14		Total water amortization		<u>\$ 269,900</u>	<u>\$ 18,216</u>	<u>\$ 41,076</u>	<u>\$ 47,587</u>	<u>\$ 56,595</u>	<u>\$ 68,549</u>	<u>\$ 86,145</u>	<u>\$ 115,232</u>	<u>\$ 143,929</u>	<u>\$ 168,598</u>	<u>\$ 1,013,828</u>
15		<u>Wastewater</u>												
16		<u>Amortization of proposed charges</u>												
17	272.1	Capacity Charges	3.68%	\$	8,223	\$ 20,643	\$ 29,728	\$ 40,193	\$ 51,635	\$ 73,255	\$ 104,938	\$ 136,908	\$ 163,703	\$ 629,223
18	272.2	Main Extension Charges	2.58%		4,427	11,115	18,006	21,641	27,802	39,443	56,502	73,716	86,143	338,795
19					<u>12,650</u>	<u>31,757</u>	<u>45,734</u>	<u>61,834</u>	<u>79,437</u>	<u>112,698</u>	<u>161,440</u>	<u>210,623</u>	<u>251,846</u>	<u>968,018</u>
20	272.3	Contributed Property	2.58%		-	1,466	4,860	9,141	14,040	24,917	41,818	57,124	71,395	224,560
21					<u>12,650</u>	<u>33,223</u>	<u>50,594</u>	<u>70,975</u>	<u>93,477</u>	<u>137,615</u>	<u>203,058</u>	<u>267,747</u>	<u>323,241</u>	<u>1,192,578</u>
22														
23														
24		<u>Amortization of Existing CIAC</u>												
25	272.1	Capacity Charges	3.68%	222,025	12,081	24,162	24,162	24,162	24,162	24,162	24,162	24,162	24,162	427,400
25	272.2	Main Extension Charges	2.58%	317,453	12,209	24,419	24,419	24,419	24,419	24,419	24,419	24,419	24,419	525,012
26	272.3	Contributed Property	2.58%	52,331	3,243	6,486	6,486	6,486	6,486	6,486	6,486	6,486	6,486	107,459
26				<u>591,809</u>	<u>27,533</u>	<u>55,066</u>	<u>55,066</u>	<u>55,066</u>	<u>55,066</u>	<u>55,066</u>	<u>55,066</u>	<u>55,066</u>	<u>55,066</u>	<u>1,059,871</u>
		Total Wastewater amortization		<u>\$ 591,809</u>	<u>\$ 40,183</u>	<u>\$ 88,289</u>	<u>\$ 105,660</u>	<u>\$ 126,041</u>	<u>\$ 148,543</u>	<u>\$ 192,681</u>	<u>\$ 258,124</u>	<u>\$ 322,813</u>	<u>\$ 378,307</u>	<u>\$ 2,252,449</u>

Rainbow Springs Utilities, L.C.
Schedule Of Utility Plant In Service and Accumulated Depreciation By Primary Account
June 30, 201 and December 31, 2018

Line No.	NARUC Account	Description	6/30/2010 Cost	12/31/2018 Cost	6/30/2010 Accumulated Depreciation	12/31/2018 Accumulated Depreciation
1		<u>Water</u>				
2	301	Organization	\$ 22,340	\$ 22,340	\$ 12,973	\$ 17,720
3	302	Franchises	16,205	16,205	4,862	8,306
4	303	Land and Land Rights	6,798	6,798	-	-
5	304	Structures and Improvements	203,709	1,348,948	77,222	218,979
6	307	Wells and Springs	53,592	608,388	29,593	130,522
7	309	Supply Mains	156,799	564,293	67,010	134,655
8	310	Power Generation Equipment	33,005	422,151	20,042	127,429
9	311	Pumping Equipment	116,694	437,550	53,973	158,166
10	320	Water Treatment Equipment	29,388	167,366	19,053	51,849
11	330	Distribution Reservoirs & Standpipes	232,956	1,121,211	90,115	179,485
12	331	Transmission & Distribution Mains	648,603	2,220,387	302,916	603,774
13	331.1	Contributed Transmission & Distrib. Systems	-	1,679,700	-	109,032
14	333	Services	133,591	133,591	71,172	99,560
15	334	Meters & Installations	176,612	449,672	71,647	195,951
16	335	Hydrants	33,248	33,248	8,167	14,441
17	339	Other Plant & Miscellaneous Equipment	4,731	4,731	3,139	4,748
18	340	Office Furniture & Equipment	15,852	15,852	15,852	15,852
19	341	Transportation Equipment	44,120	44,120	44,120	44,120
20	343	Tools, Shop & Garage Equipment	8,046	8,046	2,499	6,773
21	344	Laboratory Equipment	613	21,821	204	1,259
22	345	Power Operated Equipment	36,573	36,573	36,573	36,573
23	346	Communication Equipment	1,551	1,551	1,058	1,551
24	347	Miscellaneous Equipment	494	494	231	494
25		Total	<u>\$ 1,975,520</u>	<u>\$ 9,365,036</u>	<u>\$ 932,421</u>	<u>\$ 2,161,239</u>
		<u>Wastewater</u>				
26	351	Organization	\$ 9,825	9,825	\$ 2,948	\$ 5,036
27	352	Franchises	16,205	16,205	4,862	8,306
28	353	Land & Land Rights	177,490	177,490	-	-
29	354	Structures and Improvements	603,576	3,868,504	274,738	814,393
30	355	Power Generation Equipment	115,743	115,743	88,107	137,298
31	360	Collection Sewers - Force	85,010	2,099,884	51,798	264,720
32	361	Collection Sewers - Gravity	1,169,344	1,169,344	610,456	831,111
	361.1	Contributed on-site collection systems	-	3,043,820	-	224,560
33	363	Services to Customers	112,893	112,893	62,497	87,734
34	364	Flow Measuring Devices	9,077	52,170	9,077	18,203
35	366.6	Reuse Services	1,787	1,787	870	1,269
36	370	Receiving Wells	252,013	1,296,213	135,700	351,347
37	371	Pumping Equipment	119,199	1,422,236	72,124	382,028
38	374	Reuse Distribution Reservoirs	20,402	1,595,428	8,118	161,640
39	375	Reuse Transmission & Distribution System	281,804	917,519	95,775	218,241
40	380.4	Treatment & Disposal Equipment	107,466	107,466	90,572	141,360
41	380.5	Reuse Treatment & Disposal Equipment	151,645	3,109,417	109,616	917,407
42	381	Plant Sewers	39,175	188,642	15,449	39,934
43	389	Other Plant & Miscellaneous Equipment	2,763	2,763	844	2,150
44	390	Office Furniture and Equipment	950	5,881	662	2,352
		Total	<u>\$ 3,276,367</u>	<u>\$ 19,313,229</u>	<u>\$ 1,634,213</u>	<u>\$ 4,609,090</u>

Rainbow Springs Utilities, L.C.
Summary of Water Plant Additions by Year
June 30, 2010 through December 31, 2018

Line No.	NARUC Account	Description	Existing 6/30/10	December 31 2010	2011	2012	2013	2014	2015	2016	2017	2018	Total
1		<u>Future Plant (1)</u>											
2	304	Structures & Improvements		\$ 25,307				\$ 345,068		\$ 333,712		\$ 441,152	\$ 1,145,239
3	307	Wells & Springs (upgrade)				\$ 207,597		178,991		168,208			554,796
4	309	Supply Mains		25,139				109,417		107,506		165,432	407,494
5	310	Power Generation Equipment		125,718				132,869		130,560			389,146
6	311	Pumping Equipment		103,094								217,762	320,856
7	330	Distribution Reservoirs & Standpipes						148,480		145,919		593,857	888,255
8	331	Transmission & Distribution Mains				340,036		877,897	\$ 353,851				1,571,784
9	331.1	Contributed on-site Transmission & Dist. Systems		-	62,700	82,500	100,850	108,900	356,400	358,050	305,250	305,250	1,679,700
10	334	Meters & Meter Installations		25,740	13,140	15,300	17,460	18,360	49,320	49,860	50,220		33,660
11	380	Water Treatment Equipment						58,811		56,058			137,978
12	344	Laboratory Equipment										21,208	21,208
13		Total additions		\$ 25,740	\$ 355,097	\$ 645,432	\$ 118,110	\$1,978,593	\$ 759,571	\$1,349,873	\$ 355,470	\$ 1,801,630	\$ 7,389,516
14		<u>Plant Balances By Year</u>											
15	301	Organization	\$ 22,340	\$ 22,340	\$ 22,340	\$ 22,340	\$ 22,340	\$ 22,340	\$ 22,340	\$ 22,340	\$ 22,340	\$ 22,340	\$ 22,340
16	302	Franchises	16,205	16,205	16,205	16,205	16,205	16,205	16,205	16,205	16,205	16,205	16,205
17	303	Land and Land Rights	6,798	6,798	6,798	6,798	6,798	6,798	6,798	6,798	6,798	6,798	6,798
18	304	Structures and Improvements	203,709	203,709	229,016	229,016	229,016	574,084	574,084	907,796	907,796	1,348,948	1,348,948
19	307	Wells and Springs	53,592	53,592	53,592	261,189	261,189	440,180	440,180	608,388	608,388	608,388	608,388
20	309	Supply Mains	156,799	156,799	181,938	181,938	181,938	291,355	291,355	398,861	398,861	564,293	564,293
21	310	Power Generation Equipment	33,005	33,005	158,723	158,723	158,723	291,591	291,591	422,151	422,151	422,151	422,151
22	311	Pumping Equipment	116,694	116,694	219,788	219,788	219,788	219,788	219,788	219,788	219,788	437,650	437,650
23	320	Water Treatment Equipment	29,388	29,388	29,388	29,388	29,388	87,999	87,999	144,058	144,058	167,366	167,366
24	330	Distribution Reservoirs & Standpipes	232,956	232,956	232,956	232,956	232,956	381,436	381,436	527,354	527,354	1,121,211	1,121,211
25	331	Transmission & Distribution Mains	648,603	648,603	648,603	988,639	988,639	1,866,636	2,220,387	2,220,387	2,220,387	2,220,387	2,220,387
	331.1	Contributed on-site Transmission & Dist.		-	82,700	145,200	245,850	354,750	711,150	1,069,200	1,374,450	1,679,700	1,679,700
	333	Services	133,591	133,591	133,591	133,591	133,591	133,591	133,591	133,591	133,591	133,591	133,591
24	334	Meters & Installations	176,612	202,352	215,492	230,792	248,252	266,612	315,932	365,792	416,012	449,672	449,672
25	335	Hydrants	33,248	33,248	33,248	33,248	33,248	33,248	33,248	33,248	33,248	33,248	33,248
26	339	Other Plant & Miscellaneous Equipment	4,731	4,731	4,731	4,731	4,731	4,731	4,731	4,731	4,731	4,731	4,731
27	340	Office Furniture & Equipment	15,852	15,852	15,852	15,852	15,852	15,852	15,852	15,852	15,852	15,852	15,852
28	341	Transportation Equipment	44,120	44,120	44,120	44,120	44,120	44,120	44,120	44,120	44,120	44,120	44,120
29	343	Tools, Shop & Garage Equipment	8,046	8,046	8,046	8,046	8,046	8,046	8,046	8,046	8,046	8,046	8,046
30	344	Laboratory Equipment	613	613	613	613	613	613	613	613	613	21,821	21,821
31	345	Power Operated Equipment	36,573	36,573	36,573	36,573	36,573	36,573	36,573	36,573	36,573	36,573	36,573
32	346	Communication Equipment	1,551	1,551	1,551	1,551	1,551	1,551	1,551	1,551	1,551	1,551	1,551
33	347	Miscellaneous Equipment	494	494	494	494	494	494	494	494	494	494	494
34		Total	\$ 1,975,520	\$ 2,001,260	\$ 2,356,357	\$ 3,001,790	\$ 3,119,900	\$5,098,493	\$5,858,063	\$7,207,937	\$7,563,407	\$ 9,365,036	\$ 9,385,036

(1) Per Schedule No. 6 and Engineering estimates of probable cost prepared by Pigeon-Roberts and Associates, LLC.

Rainbow Springs Utilities, L.C.
Summary of Wastewater Plant Additions by Year
June 30, 2010 through December 31, 2018

Line No.	NARUC Account	Description	Existing 6/30/10	December 31 2010	2011	2012	2013	2014	2015	2016	2017	2018	Total
1		<u>Future Plant (1)</u>											
2	354	Structures and Improvements				\$ 283,339		\$ 56,767	\$ 2,813,291		\$ 111,531		\$ 3,264,928
3	360	Collection Sewers - Force						883,052			1,131,822		2,014,874
4	361.1	Contributed on-site Collection Systems		-	113,620	149,500	182,390	197,340	645,840	648,830	553,150	553,150	3,043,820
5	364	Flow Measuring Devices				10,568			32,525				43,093
6	370	Receiving Wells			193,737			274,938	174,624		400,900		1,044,200
7	371	Pumping Equipment							1,303,037				1,303,037
8	374	Reuse Distribution Reservoirs							1,575,026				1,575,026
9	375	Reuse Transmission & Distribution Sys.						635,715					635,715
10	380	Reuse Treatment & Disposal Equipment				962,475			1,995,297				2,957,772
11	381	Plant Sewers							149,467				149,467
12	390	Office Furniture & Equipment							4,931				4,931
					<u>\$ 307,357</u>	<u>\$ 1,405,882</u>	<u>\$ 182,390</u>	<u>\$ 2,047,812</u>	<u>\$ 8,694,038</u>	<u>\$ 648,830</u>	<u>\$ 2,197,403</u>	<u>\$ 553,150</u>	<u>16,036,862</u>
13		<u>Plant Balances By Year</u>											
15	351	Organization	\$ 9,825	\$ 9,825	\$ 9,825	\$ 9,825	\$ 9,825	\$ 9,825	\$ 9,825	\$ 9,825	\$ 9,825	\$ 9,825	\$ 9,825
16	352	Franchises	16,205	16,205	16,205	16,205	16,205	16,205	16,205	16,205	16,205	16,205	16,205
17	353	Land and Land Rights	177,490	177,490	177,490	177,490	177,490	177,490	177,490	177,490	177,490	177,490	177,490
18	354	Structures and Improvements	603,576	603,576	603,576	886,915	886,915	943,682	3,756,973	3,756,973	3,868,504	3,868,504	3,868,504
19	355	Power Generation Equipment	115,743	115,743	115,743	115,743	115,743	115,743	115,743	115,743	115,743	115,743	115,743
20	360	Collection Sewers - Force	85,010	85,010	85,010	85,010	85,010	968,062	968,062	968,062	2,099,884	2,099,884	2,099,884
21	361	Collection Sewers - Gravity	1,169,344	1,169,344	1,169,344	1,169,344	1,169,344	1,169,344	1,169,344	1,169,344	1,169,344	1,169,344	1,169,344
22	361.1	Contributed on-site Collection Systems		-	113,620	263,120	445,510	642,850	1,288,690	1,937,520	2,490,670	3,043,820	3,043,820
23	363	Services to Customers	112,893	112,893	112,893	112,893	112,893	112,893	112,893	112,893	112,893	112,893	112,893
24	364	Flow Measuring Devices	9,077	9,077	9,077	19,645	19,645	19,645	52,170	52,170	52,170	52,170	52,170
25	366.6	Reuse Services	1,787	1,787	1,787	1,787	1,787	1,787	1,787	1,787	1,787	1,787	1,787
26	370	Receiving Wells	252,013	252,013	445,750	445,750	445,750	720,688	895,312	895,312	1,296,213	1,296,213	1,296,213
27	371	Pumping Equipment	119,199	119,199	119,199	119,199	119,199	119,199	1,422,236	1,422,236	1,422,236	1,422,236	1,422,236
28	374	Reuse Distribution Reservoirs	20,402	20,402	20,402	20,402	20,402	20,402	1,595,428	1,595,428	1,595,428	1,595,428	1,595,428
29	375.6	Reuse Transmission & Distribution Mains	281,804	281,804	281,804	281,804	281,804	917,519	917,519	917,519	917,519	917,519	917,519
30	380.4	Treatment & Disposal Equipment	107,466	107,466	107,466	107,466	107,466	107,466	107,466	107,466	107,466	107,466	107,466
31	380.5	Reuse Treatment & Disposal Equipment	151,645	151,645	151,645	1,114,120	1,114,120	1,114,120	3,109,417	3,109,417	3,109,417	3,109,417	3,109,417
32	381	Plant Sewers	39,175	39,175	39,175	39,175	39,175	39,175	188,642	188,642	188,642	188,642	188,642
33	389	Other Plant & Miscellaneous Equipment	2,763	2,763	2,763	2,763	2,763	2,763	2,763	2,763	2,763	2,763	2,763
34	390	Office Furniture and Equipment	950	950	950	950	950	950	5,881	5,881	5,881	5,881	5,881
35		Total	\$ 3,276,367	\$ 3,276,367	\$ 3,583,724	\$ 4,989,606	\$ 5,171,996	\$ 7,219,808	\$ 15,913,846	\$ 16,562,676	\$ 18,760,079	\$ 19,313,229	

36 (1) Per Schedule No.10 and Engineering estimates of probable cost prepared by Pigeon-Roberts and Associates, LLC.

Rainbow Springs Utilities, L.C.
Allocation of Future Water Plant Costs by NARUC Account and Year
June 30, 2010 through December 31, 2018

Line No.	NARUC Act. No.	Description	Hard Costs	Percent	Engineering, Permitting, Contingency & Other Soft Costs	Total Cost Before AFUDC	Percent	AFUDC	Total Cost
1		<u>Capacity Upgrade - 2011 completion</u>							
2	304	Structures & Improvements	\$ 15,100	9.06%	\$ 7,773	\$ 22,873	9.06%	\$ 2,434	\$ 25,307
3	309	Supply Mains	15,000	9.00%	7,721	22,721	9.00%	2,418	25,139
4	310	Power Generation Equipment	75,000	45.02%	38,623	113,623	45.02%	12,095	125,718
5	311	Pumping Equipment	61,500	36.92%	31,674	93,174	36.92%	9,919	103,093
6			<u>166,600</u>	<u>100.00%</u>	<u>85,790</u>	<u>252,390</u>	<u>100.00%</u>	<u>26,866</u>	<u>279,256</u>
7		<u>SW 92nd St. & US 41 main loop - 2012 completion</u>							
8									
9	331	Transmission & Distribution Mains	179,548	100.00%	127,820	307,368	100.00%	32,668	340,036
10		<u>Tract "B-B" water main extension - 2015 completion</u>							
11									
12	331	Transmission & Distribution Mains	198,330	100.00%	121,494	319,824	100.00%	34,027	353,851
13		<u>South US 41 commercial & Tract F interconnect - 2014 completion</u>							
14									
15	331	Transmission & Distribution Mains	567,842	100.00%	225,641	793,483	100.00%	84,414	877,897
16		<u>Water supply facility to serve Tract H - 2016 completion</u>							
17									
18	304	Structures & Improvements	217,250	35.43%	84,370	301,620	35.43%	32,092	333,712
19	307	Wells & Springs (upgrade)	109,500	17.86%	42,530	152,030	17.86%	16,178	168,208
20	309	Supply Mains	70,000	11.41%	27,171	97,171	11.41%	10,335	107,506
21	310	Power Generation Equipment	85,000	13.86%	33,005	118,005	13.86%	12,555	130,560
22	330	Distribution Reservoirs & Standpipes	95,000	15.49%	36,887	131,887	15.49%	14,031	145,919
23	380	Water Treatment Equipment	36,500	5.95%	14,169	50,669	5.95%	5,390	56,058
24			<u>613,250</u>	<u>100.00%</u>	<u>238,132</u>	<u>851,382</u>	<u>100.00%</u>	<u>90,581</u>	<u>941,963</u>
25		<u>Tract F - Public water supply wells - 2012 completion</u>							
26									
27	307	Wells & Springs	106,750	100.00%	80,880	187,630	100.00%	19,967	207,597
28		<u>Tract F water supply, Phase I - 2014 completion</u>							
29									
30	304	Structures & Improvements	220,750	35.45%	91,151	311,901	35.45%	33,167	345,068
31	307	Wells & Springs (upgrade)	114,500	18.39%	47,285	161,785	18.39%	17,206	178,991
32	309	Supply Mains	70,000	11.24%	28,901	98,901	11.24%	10,516	109,417
33	310	Power Generation Equipment	85,000	13.65%	35,098	120,098	13.65%	12,771	132,869
34	330	Distribution Reservoirs & Standpipes	95,000	15.25%	39,212	134,212	15.25%	14,268	148,480
35	380	Water Treatment Equipment	37,500	6.02%	15,479	52,979	6.02%	5,632	58,611
			<u>622,750</u>	<u>100.00%</u>	<u>257,126</u>	<u>879,876</u>	<u>100.00%</u>	<u>93,560</u>	<u>973,436</u>

Rainbow Springs Utilities, L.C.
Allocation of Future Water Plant Costs by NARUC Account and Year
June 30, 2010 through December 31, 2018

Line No.	NARUC Act. No.	Description	Hard Costs	Percent	Engineering, Permitting, Contingency & Other Soft Costs	Total Cost Before AFUDC	Percent	AFUDC	Total Cost
1		<u>Tract F water supply facility - Phase II -</u>							
2		<u>2018 completion</u>							
3	304	Structures & Improvements	\$ 312,000	30.16%	\$ 86,745	\$ 398,745	30.16%	\$ 42,406	\$ 441,152
4	309	Supply Mains	117,000	11.31%	32,529	149,529	11.31%	15,902	165,432
5	311	Pumping Equipment	154,000	14.89%	42,826	196,826	14.89%	20,936	217,762
6	330	Distribution Reservoirs & Standpipes	420,000	40.60%	116,773	536,773	40.60%	57,085	593,857
7	380	Water Treatment Equipment	16,500	1.59%	4,573	21,073	1.59%	2,236	23,309
8	344	Laboratory Equipment	15,000	1.45%	4,170	19,170	1.45%	2,038	21,208
9			<u>1,034,500</u>	<u>100.00%</u>	<u>287,617</u>	<u>1,322,117</u>	<u>100.00%</u>	<u>140,603</u>	<u>1,462,720</u>
10		Total	<u>\$ 3,489,570</u>		<u>\$ 1,424,500</u>	<u>\$4,914,070</u>		<u>\$ 522,686</u>	<u>\$5,436,756</u>
11		<u>Allocation of AFUDC by Project</u>							
12		Capacity Upgrade - 2011 completion				\$ 252,390	5.14%	\$ 26,866	\$ 279,256
13		SW 92nd St. & US 41 main loop - 2012 completion				307,368	6.25%	32,668	340,036
14		Tract "B-B" water main extension - 2015 completion				319,824	6.51%	34,027	353,851
15		South US 41 commercial & Tract F interconnect - 2014 completion				793,483	16.15%	84,414	877,897
16		Water supply facility to serve Tract H - 2016 completion				851,382	17.33%	90,581	941,963
17		Tract F - Public water supply wells - 2012 completion				187,630	3.82%	19,967	207,597
18		Tract F water supply, Phase I - 2014 completion				879,876	17.90%	93,560	973,436
19		Tract F water supply facility - Phase II - 2018 completion				<u>1,322,117</u>	<u>26.90%</u>	<u>140,603</u>	<u>1,462,720</u>
20		Total cost before AFUDC				<u>\$4,914,070</u>	<u>100.00%</u>	<u>\$ 522,686</u>	<u>\$5,436,756</u>

Rainbow Springs Utilities, L.C.
Calculation of Water AFUDC on Future Construction

Line No.	Month	Estimated Monthly CWIP Increase	Accumulated CWIP Beginning Of Month	Accumulated CWIP End Of Month	Average CWIP Balance	Monthly AFUDC	Total Capitalized
1	1	\$ 204,753		\$ 204,753	\$ 102,377	\$ 852	\$ 205,605
2	2	204,753	\$ 205,605	410,358	307,981	2,562	412,920
3	3	204,753	412,920	617,673	515,297	4,287	621,960
4	4	204,753	621,960	826,713	724,337	6,026	832,740
5	5	204,753	832,740	1,037,493	935,116	7,780	1,045,273
6	6	204,753	1,045,273	1,250,026	1,147,650	9,548	1,259,575
7	7	204,753	1,259,575	1,464,328	1,361,951	11,331	1,475,659
8	8	204,753	1,475,659	1,680,412	1,578,036	13,129	1,693,541
9	9	204,753	1,693,541	1,898,294	1,795,918	14,942	1,913,236
10	10	204,753	1,913,236	2,117,989	2,015,613	16,770	2,134,759
11	11	204,753	2,134,759	2,339,512	2,237,136	18,613	2,358,125
12	12	204,753	2,358,125	2,562,878	2,460,502	20,471	2,583,350
13	13	204,753	2,583,350	2,788,103	2,685,726	22,345	2,810,448
14	14	204,753	2,810,448	3,015,201	2,912,825	24,235	3,039,436
15	15	204,753	3,039,436	3,244,189	3,141,812	26,140	3,270,329
16	16	204,753	3,270,329	3,475,082	3,372,705	28,061	3,503,143
17	17	204,753	3,503,143	3,707,896	3,605,519	29,998	3,737,894
18	18	204,753	3,737,894	3,942,647	3,840,270	31,951	3,974,598
19	19	204,753	3,974,598	4,179,351	4,076,974	33,921	4,213,271
20	20	204,753	4,213,271	4,418,024	4,315,648	35,906	4,453,931
21	21	204,753	4,453,931	4,658,684	4,556,307	37,909	4,696,592
22	22	204,753	4,696,592	4,901,345	4,798,969	39,928	4,941,273
23	23	204,752	4,941,273	5,146,025	5,043,649	41,963	5,187,988
24	24	204,752	5,187,988	5,392,740	5,290,364	44,016	5,436,756
25	TOTAL	\$ 4,914,070				\$ 522,686	\$ 5,436,756

26 Note: AFUDC is based on the annual rate of return (Schedule No. A-2) discounted to a
 27 monthly rate of 0.8320020% . This rate was approved in Order No. PSC-96-1229-FOF-WS.

Rainbow Springs Utilities, L.C.
Allocation of Future Wastewater Plant Costs by NARUC Account and Year
June 30, 2010 through December 31, 2018

Line No.	NARUC Act. No.	Description	Hard Costs	Percent	Engineering, Permitting, Contingency & Other Soft Costs	Total Cost Before AFUDC	Percent	AFUDC	Total Cost
1		<u>Phase IV capacity expansion from 230 mgd to 275 mgd - 2012 completion</u>							
2									
3	354	Structures and Improvements	\$ 23,500	4.90%	\$ 10,989	\$ 34,489	4.90%	\$ 3,666	\$ 38,155
4	364	Flow Measuring Devices	6,500	1.36%	3,050	9,550	1.36%	1,018	10,568
5	380	Treatment & Disposal Equipment	449,000	93.74%	210,221	659,221	93.74%	70,140	729,361
6			<u>479,000</u>	<u>100.00%</u>	<u>224,260</u>	<u>703,260</u>	<u>100.00%</u>	<u>74,824</u>	<u>778,084</u>
7		<u>Phase V capacity expansion & reuse class I treatment - from 275 mgd to 480 mgd - 2015 completion</u>							
8									
9									
10	354	Structures and Improvements	1,910,500	47.74%	502,648	2,413,148	47.74%	256,665	2,669,813
11	364	Flow Measuring Devices	23,300	0.58%	6,107	29,407	0.58%	3,118	32,525
12	370	Receiving Wells	125,000	3.12%	32,850	157,850	3.12%	16,774	174,624
13	371	Pumping Equipment	405,000	10.12%	106,552	511,552	10.12%	54,408	565,960
14	380	Treatment & Disposal Equipment	1,427,800	35.68%	375,670	1,803,470	35.68%	191,827	1,995,297
15	381	Plant Sewers	107,000	2.67%	28,112	135,112	2.67%	14,355	149,467
16	390	Office Furniture & Equipment	3,500	0.09%	948	4,448	0.09%	484	4,931
17			<u>4,002,100</u>	<u>100.00%</u>	<u>1,052,887</u>	<u>5,054,987</u>	<u>100.00%</u>	<u>537,630</u>	<u>5,592,617</u>
27		<u>Sprayfield expansion at existing site - from 230 mgd to 275 mgd - 2012 completion</u>							
28									
29	354	Structures and Improvements	144,100	51.26%	77,520	221,620	51.26%	23,563	245,184
30	380	Treatment & Disposal Equipment	137,000	48.74%	73,710	210,710	48.74%	22,405	233,114
31			<u>281,100</u>	<u>100.00%</u>	<u>151,230</u>	<u>432,330</u>	<u>100.00%</u>	<u>45,968</u>	<u>478,298</u>
32		<u>Golf course reclaimed water system - 2015 completion</u>							
33									
34	354	Structures and Improvements	101,500	5.84%	28,189	129,690	5.84%	13,788	143,478
35	371	Pumping Equipment	521,300	30.02%	144,903	666,203	30.02%	70,874	737,077
36	374	Reuse Distribution Reservoirs	1,114,000	64.14%	309,599	1,423,599	64.14%	151,427	1,575,026
37			<u>1,736,800</u>	<u>100.00%</u>	<u>482,693</u>	<u>2,219,493</u>	<u>100.00%</u>	<u>236,088</u>	<u>2,455,581</u>
38		<u>Tract F collection & reuse system - 2014 completion</u>							
39									
40	354	Structures and Improvements	36,120	3.07%	15,186	51,306	3.07%	5,461	56,767
41	360	Force Mains	562,120	47.72%	236,049	798,169	47.72%	84,883	883,052
42	370	Receiving Wells	175,000	14.86%	73,506	248,506	14.86%	26,433	274,938
43	375	Reuse Transmission & Distribution System	404,700	34.35%	169,913	574,614	34.35%	61,101	635,715
44			<u>1,177,940</u>	<u>100.00%</u>	<u>494,654</u>	<u>1,672,594</u>	<u>100.00%</u>	<u>177,878</u>	<u>1,850,472</u>

Rainbow Springs Utilities, L.C.
Allocation of Future Wastewater Plant Costs by NARUC Account and Year
June 30, 2010 through December 31, 2018

Line No.	NARUC Actt. No.	Description	Hard Costs	Percent	Engineering, Permitting, Contingency & Other Soft Costs	Total Cost Before AFUDC	Percent	AFUDC	Total Cost
1		<u>Tract H wastewater & reuse transmission system - 2017 completion</u>							
2									
3	354	Structures and Improvements	\$ 46,831	5.58%	\$ 23,059	\$ 69,890	5.58%	\$ 7,430	\$ 77,320
4	360	Force Mains	672,288	80.12%	331,089	1,003,377	80.12%	106,687	1,110,063
5	370	Receiving Wells	120,000	14.30%	59,093	179,093	14.30%	19,042	198,135
6			<u>839,119</u>	<u>100.00%</u>	<u>413,241</u>	<u>1,252,360</u>	<u>100.00%</u>	<u>133,158</u>	<u>1,385,518</u>
7		<u>Tract "B-B" wastewater transmission system - 2017 completion</u>							
8									
9	354	Structures and Improvements	20,250	13.22%	10,675	30,925	13.22%	3,286	34,211
10	360	Force Mains	12,877	8.41%	6,791	19,668	8.41%	2,091	21,759
11	370	Receiving Wells	120,000	78.37%	63,284	183,284	78.37%	19,481	202,765
12			<u>153,127</u>	<u>100.00%</u>	<u>80,750</u>	<u>233,877</u>	<u>100.00%</u>	<u>24,858</u>	<u>258,735</u>
13		<u>Master pump station (LS 11) expansion - 2011 completion</u>							
14									
15	370	Receiving Wells	140,000	100.00%	35,000	175,000	100.00%	18,737	193,737
16		Total	<u>\$ 8,809,186</u>		<u>\$ 2,934,715</u>	<u>\$11,743,901</u>		<u>\$ 1,249,141</u>	<u>\$ 12,993,042</u>
17		<u>Allocation of AFUDC by Project</u>							
18		Plant capacity expansion Phase IV - restricted reuse - 2012 completion				\$ 703,260	5.99%	\$ 74,824	\$ 778,084
19		Plant capacity expansion Phase V - public access reuse - 2015 completion				5,054,987	43.04%	537,630	5,592,617
21		On-site sprayfield expansion to .275 mgd - 2012 completion				432,330	3.68%	45,968	478,298
22		Golf course reuse water system - 2015 completion				2,219,493	18.90%	236,088	2,455,581
23		Tract F - collection system & reuse water system - 2014 completion				1,672,594	14.24%	177,878	1,850,472
24		Tract H - collection system & reuse transmission system - 2017 completion				1,252,360	10.66%	133,158	1,385,518
25		Tract "B-B" - collection system - 2017 completion				233,877	1.99%	24,858	258,735
26		Master pump station expansion (LS 11) - 2011 completion				175,000	1.50%	18,737	193,737
27		Total				<u>\$11,743,901</u>	<u>100.00%</u>	<u>\$ 1,249,141</u>	<u>\$ 12,993,042</u>

Rainbow Springs Utilities, L.C.
 Summary of Wastewater Accumulated Depreciation and Depreciation Additions by Year
 December 31, 2009 through December 31, 2018

Line No.	NARUC Account	Description	Rate	To		2011	2012	2013	2014	2015	2016	2017	2018	Total
				Existing 6/30/10	December 31 2010									
1		<u>Depreciation of Future Plant</u>												
2	354	Structures and Improvements	3.13%				\$ 4,434	\$ 8,869	\$ 9,757	\$ 54,673	\$ 98,701	\$ 100,447	102,192	379,073
3	360	Collection Sewers - Force	3.33%						14,703	29,406	29,406	48,250	67,095	188,860
4	361.1	Contributed on-site Collection Systems	2.58%		-	1,466	4,860	9,141	14,040	24,917	41,618	57,124	71,395	224,560
5	364	Flow Measuring Devices	5.00%				264	528	528	1,342	2,155	2,155	2,155	9,126
6	370	Receiving Wells	3.33%			3,226	6,451	6,451	11,029	18,514	21,422	28,097	34,772	129,963
7	371	Pumping Equipment	5.56%							36,224	72,449	72,449	72,449	253,571
8	374	Reuse Distribution Reservoirs	2.70%							21,263	42,526	42,526	42,526	148,840
9	375	Reuse Transmission & Distribution Sys.	2.33%						7,406	14,812	14,812	14,812	14,812	66,655
10	380	Reuse Treatment & Disposal Equipment	5.56%				26,757	53,514	53,514	108,983	164,452	164,452	164,452	736,123
11	381	Plant Sewers	2.86%							2,137	4,275	4,275	4,275	14,962
12	390	Office Furniture & Equipment	6.67%			-	-	-	-	164	329	329	329	1,151
13		Total				\$ 4,691	\$ 42,767	\$ 78,503	\$ 110,977	\$ 312,436	\$ 492,144	\$ 534,915	\$ 576,451	\$ 2,152,885
14		<u>Depreciation of Existing and</u>												
15		<u>Future Plant</u>												
16	351	Organization	2.50%	\$ 2,948	\$ 123	246	\$ 246	\$ 246	\$ 246	\$ 246	\$ 246	\$ 246	\$ 246	\$ 5,036
17	352	Franchises	2.50%	4,862	203	405	405	405	405	405	405	405	405	8,306
18	354	Structures and Improvements	3.13%	274,738	9,446	18,892	23,326	27,760	28,649	73,565	117,593	119,339	121,084	814,393
19	355	Power Generation Equipment	5.00%	88,107	2,894	5,787	5,787	5,787	5,787	5,787	5,787	5,787	5,787	137,298
20	360	Collection Sewers - Force	3.33%	51,798	1,415	2,831	2,831	2,831	17,534	32,236	32,236	51,081	69,926	264,720
21	361	Collection Sewers - Gravity	2.22%	610,456	12,980	25,959	25,959	25,959	25,959	25,959	25,959	25,959	25,959	831,111
22	361.1	Contributed on-site Collection Systems	2.58%	-	-	1,466	4,860	9,141	14,040	24,917	41,618	57,124	71,395	224,560
23	363	Services to Customers	2.63%	62,497	1,485	2,969	2,969	2,969	2,969	2,969	2,969	2,969	2,969	87,734
24	364	Flow Measuring Devices	5.00%	9,077	-	-	264	528	528	1,342	2,155	2,155	2,155	18,203
25	366.6	Reuse Services	2.63%	870	23	47	47	47	47	47	47	47	47	1,269
26	370	Receiving Wells	4.00%	135,700	5,040	13,306	16,532	16,532	21,110	28,595	31,502	38,177	44,852	351,347
27	371	Pumping Equipment	5.56%	72,124	3,314	6,627	6,627	6,627	6,627	42,852	79,076	79,076	79,076	382,028
28	374	Reuse Distribution Reservoirs	2.70%	8,118	275	551	551	551	551	21,814	43,077	43,077	43,077	161,640
29	375	Reuse Transmission & Distribution System	2.33%	95,775	3,283	6,566	6,566	6,566	13,972	21,378	21,378	21,378	21,378	218,241
30	380.4	Treatment & Disposal Equipment	5.56%	90,572	2,988	5,975	5,975	5,975	5,975	5,975	5,975	5,975	5,975	141,360
31	380.5	Reuse Treatment & Disposal Equipment	5.56%	109,616	4,216	8,431	35,188	61,945	61,945	117,414	172,884	172,884	172,884	917,407
32	381	Plant Sewers	2.86%	15,449	560	1,120	1,120	1,120	1,120	3,258	5,395	5,395	5,395	39,934
33	389	Other Plant & Miscellaneous Equipment	5.56%	844	77	154	154	154	154	154	154	154	154	2,150
34	390	Office Furniture and Equipment	6.67%	662	32	63	63	63	63	228	392	392	392	2,352
35		Total		\$ 1,634,213	\$ 48,353	\$ 101,396	\$ 139,472	\$ 175,208	\$ 207,682	\$ 409,141	\$ 588,849	\$ 631,620	\$ 673,156	\$ 4,609,090

Rainbow Springs Utilities, L.C.
Schedule Of Active Customers On Line And
ERC's by Meter Size and Customer Class at
June 30, 2010

Line No.		No. Of Customers	Meter Size	ERC Factor	Factored ERC's
	<u>Water</u>				
1	Residential	<u>1,477</u>	5/8 X 3/4	1.0	<u>1,477</u>
2	Irrigation	944	5/8 X 3/4	1.0	944
3		1		5.0	5
4		<u>1</u>		8.0	<u>8</u>
5	Total irrigation	<u>946</u>			<u>957</u>
6	Fire lines	1	6"	5.0	5
7		<u>1</u>	8"	7.0	<u>7</u>
8	Total fire lines	<u>2</u>			<u>12</u>
9	General Service				
10		2	5/8 X 3/4	1.0	2
11		1	1.0"	2.5	3
12		1	1.5"	5.0	5
13		<u>3</u>	2.0"	8.0	<u>24</u>
14	Total General Service	<u>7</u>			<u>34</u>
15	Total	<u>2,432</u>			<u>2,480</u>
16	<u>Wastewater</u>				
17	Residential	1,477	5/8 X 3/4	1.0	1,477
18	Commercial	<u>3</u>	2.0"	8.0	<u>24</u>
19	Total	<u>1,480</u>			<u>1,501</u>

Rainbow Springs Utilities, L.C.
Schedule of Future ERC Connections
Through December 31, 2018

Line No.	Total Planned Units (1)	Existing 6/30/2010	Remaining Future @ 6/30/2010	Projected Absorption of Remaining Connections										Total Units Added	Remaining Buildable Units 2021	Unbuildable/ Double Lots (3) 2021
				2010	2011	2012	2013	2014	2015	2016	2017	2018				
1	<u>Single Family</u>															
2	176	138	38	20	1	1	2	2	2	3	3	-	34	-	4	
3	320	274	46	14	2	2	3	3	5	5	6	-	40	-	6	
4	455	340	115	47	6	6	5	6	9	9	9	-	97	-	18	
5	591	435	156	8	14	15	15	15	22	22	22	-	133	-	23	
6	90	69	21	12	2	1	2	2	-	1	1	-	21	-	-	
7	177	46	131	25	9	9	9	8	20	20	22	2	124	-	7	
8	49	45	4	4	-	-	-	-	-	-	-	-	4	-	-	
9	49	49	-	-	-	-	-	-	-	-	-	-	-	-	-	
10	46	45	1	1	-	-	-	-	-	-	-	-	1	-	-	
11	9	9	-	-	-	-	-	-	-	-	-	-	-	-	-	
12	100	-	100	-	-	-	10	15	22	22	21	3	93	-	7	
13	6	4	2	2	-	-	-	-	-	-	-	-	2	-	-	
14	14	-	14	-	-	12	-	-	-	-	-	-	12	2	-	
15	50	-	50	-	-	-	-	-	-	-	-	-	-	50	-	
16	12	-	12	10	1	1	-	-	-	-	-	-	12	-	-	
17	970	-	970	-	-	-	-	-	113	113	114	97	437	533	-	
18	525	-	525	-	-	-	-	-	43	44	44	44	175	350	-	
19	99	-	99	-	-	-	12	12	17	17	16	7	61	18	-	
20	99	-	99	-	-	-	12	12	17	17	16	7	61	18	-	
21	<u>3,738</u>	<u>1,454</u>	<u>2,284</u>	<u>143</u>	<u>35</u>	<u>47</u>	<u>58</u>	<u>63</u>	<u>253</u>	<u>256</u>	<u>258</u>	<u>153</u>	<u>1,266</u>	<u>953</u>	-	
22	<u>Multi - Family</u>															
23	22	22	-	-	-	-	-	-	-	-	-	-	-	-	-	
24	<u>Commercial (ERC's) (2)</u>															
25	Tract F-1 excluding existing															
26	108	-	106	-	22	22	23	23	-	-	-	4	94	12	-	
27	21	21	-	-	-	-	-	-	-	-	-	-	-	-	-	
28	250	-	250	-	-	-	-	-	21	21	21	20	83	167	-	
29	128	-	128	-	16	16	16	16	-	-	-	10	74	54	-	
30	19	19	-	-	-	-	-	-	-	-	-	-	-	-	-	
31	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
32	<u>525</u>	<u>41</u>	<u>484</u>	<u>-</u>	<u>38</u>	<u>38</u>	<u>39</u>	<u>39</u>	<u>21</u>	<u>21</u>	<u>21</u>	<u>34</u>	<u>251</u>	<u>233</u>	-	
33	<u>4,285</u>	<u>1,517</u>	<u>2,768</u>	<u>143</u>	<u>73</u>	<u>85</u>	<u>97</u>	<u>102</u>	<u>274</u>	<u>277</u>	<u>279</u>	<u>187</u>	<u>1,517</u>	<u>1,186</u>	-	

34 (1) Each residential unit is equal to 1 ERC. An ERC has been defined by the Company's engineer as 350 gpd for water and 160 gpd for wastewater.

35 (2) Commercial ERC's were determined by the flow per square foot as determined by the company's engineer divided by the flow per ERC as
36 noted in Note (1) above.

37 (3) Certain homeowners have purchased more than 1 lot for estate type homes or the physical location of the lots with respect to the multiple lot estate homes will prevent the connection of all
38 platted lots.

Rainbow Springs Utilities, L.C.
Schedule Of Capital Structure
June 30, 2010

<u>Line No.</u>	<u>Dollar Amount</u>	<u>Percentage Of Capital</u>	<u>Cost Rate</u>	<u>Weighted Cost</u>
1	<u>Common Equity</u>			
2	\$ 2,377,768			
3	(1,672,779)			
4	<u>704,989</u>	<u>46.57%</u>	<u>11.88%</u>	<u>5.53%</u>
5	<u>Long Term Debt</u>			
6	799,768	52.83%	6.50%	3.43%
7	9,178	0.60%	6.00%	0.04%
8	<u>808,946</u>	<u>53.43%</u>		<u>3.47%</u>
9	<u>\$ 1,513,935</u>	<u>100.00%</u>		<u>9.00%</u>

Rainbow Springs Utilities, L.C.
Service Availability Case
Detailed Statements Concerning Costs And Capacities (1)

Line
No.

- 1 (A) Water and Wastewater Treatment & Disposal Systems
2 Rainbow Springs Utilities, LC provides drinking water as well as potable water for irrigation. The present system has a
3 permitted capacity of 2.380 MGD. The utility installs the off-site water transmission and distribution system, while the
4 on-site transmission and distribution systems are contributed by the developer. The present system has the capacity to
5 serve approximately 3,000 ERC's without expansion to the system. See Schedule No. 15 for a summary of the existing
6 (in developed tracts) and remaining connections which can be served.
- 7 Wastewater treatment is provided through a Class 3 plant with restricted reuse irrigation. The capacity of the existing
8 plant and disposal system is .230 MGD. The utility invests and installs the off-site collection system, while developers
9 contribute the on-site collection systems. The treatment and disposal system is close to capacity, with an expansion to
10 .275 MGD scheduled to be completed in 2012. The present collection system has the capacity to serve approximately
11 2050 ERC's without expansion to the system.
- 12 (B) Cost, Account Nos., Capacity & Timetable Of Proposed Plant Expansions
13 The proposed Water and wastewater plant expansions are based on the company's master plan and the engineer's
14 opinion of probable costs, prepared by Pigeon-Roberts and Associates, LLC. See Exhibit 2. A description of the
15 planned construction and completion dates are shown on Schedules Nos. 8 and 10. The various phases of water and
16 wastewater plant expansion will be completed in 2018. At that time, the plants are expected to be operating at their
17 designed capacity and providing service to approximately 4000 water connections (3034 potable water and 957 irrigation),
18 and 3,000 wastewater connections.
- 19 The water NARUC accounts based on the engineer's probable cost estimates are shown on Schedules 6, 7, 8, and 10.
- 20 (C) How Proposed Expansion Will Affect Capacity Of The Existing Plant
21 The water plant projects will extend the off-site transmission and distribution system to areas not presently served. See
22 descriptions in Engineer's opinion of probable cost. The water treatment facilities will increase capacity from 2.380 MGD
23 to 3.128 MGD and will enable the company to serve expected customers in 2018.
- 24 The Wastewater plant projects will expand treatment and disposal capacity from .230 MGD limited access reuse to .480
25 MGD, with class I public access reuse to the Golf course and public access in Tract F. The proposed improvements
26 include expansion of the existing sprayfield, reclaimed water transmission system, and off-site collection system
27 extensions. See engineer's opinion of probable cost (Exhibit 2). These projects are necessary to serve the expected
28 2018 customer base in 2018. At that time the system will be operating at its designed capacity.
- 29 (D) Projected Growth Rate For Utilization Of Existing & Proposed Capacity
30 The projected growth for 2010 through 2018 is based on the engineer's capacity analysis (Exhibit 2), which is
31 summarized on Schedule No. 15. The new connections through 2018 are based on estimates of the build status of the
32 various developed and undeveloped tracts shown in the engineer's flow projections. As mentioned above, the water and
33 wastewater plants are expected to be operating at their designed capacities in 2018. This year was used to develop the
34 proposed service availability charges.
- 35 (1) These statements are based on information provided by the company's engineer, Pigeon-Roberts and Associates, LLC,
36 Engineers-Planners-surveyors & Mappers.

Rainbow Springs Utilities, L.C.
Statement Regarding Existing and Proposed On - Site and
Off - Site Main Extension Policy
June 30, 2010

Line

No.

- 1 The Utility's existing main extension policy is to invest in the off-site water transmission and distribution and
- 2 wastewater collection system. These cost are recovered in part through a main extension charge for each new
- 3 connection.

- 4 The on-site water transmission and distribution and wastewater collection systems are built and paid for by the
- 5 developer and donated to the company as property CIAC.

- 6 The utility proposes no change to its current policy and has requested separate plant capacity and main extension
- 7 charges.

EXHIBIT "2"

OUTSTANDING DEVELOPER AGREEMENTS

(1) Special Service Availability Contract between Rainbow Springs Utilities, L.C. and Vikings, LLC dated September 19, 2005.

The Utility does not anticipate the receipt of any contributed property in the next 24 months.

DOCUMENT NUMBER DATE

09345 NOV 12 2005

FPSC-COMMISSION CLERK

EXHIBIT "3"

**COPIES OF APPROVALS OR PERMITS FOR CONSTRUCTION
AND OPERATION OF THE EXISTING TREATMENT FACILITIES**



Florida Department of Environmental Protection

Southwest District Office
13051 North Telecom Parkway
Temple Terrace, Florida 33637-0926

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Michael W. Sole
Secretary

STATE OF FLORIDA DOMESTIC WASTEWATER FACILITY PERMIT

PERMITTEE:

Rainbow Springs Utilities, L.C.

PERMIT NUMBER:

FLA012693

PA FILE NUMBER:

FLA012693-002-DW2P/NR

ISSUANCE DATE:

April 19, 2007

EXPIRATION DATE:

April 18, 2012

RESPONSIBLE AUTHORITY:

Cheryl A. Chase
Managing Member c/o Chase Enterprises
225 Asylum Street, 29th Floor
Hartford, CT 06103-1538

(352) 489-9153

FACILITY:

Rainbow Springs 5th Replat WWTF
19400 S.W. 193rd Court
Dunnellon, FL 34432
Marion County
Latitude: 29° 04' 24" N Longitude: 82° 26' 24" W

This permit is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and applicable rules of the Florida Administrative Code (F.A.C.). The above named permittee is hereby authorized to operate the facilities shown on the application and other documents attached hereto or on file with the Department and made a part hereof and specifically described as follows:

TREATMENT FACILITIES:

An existing 0.230 mgd Three Month Average Daily Flow (3MADF) Type II extended aeration domestic wastewater treatment plant consisting of one flow equalization basin of 29,500 gallons, one anoxic/aeration basin of 62,000 gallons, five aeration basins of 142,000 gallons total volume, two clarifiers of 930 ft² total surface area and 83,612 gallons total volume, three chlorine contact chambers of 13,200 gallons total volume, and two aerobic sludge digesters of 85,200 gallons total volume. This plant is operated to provide secondary treatment with basic disinfection using chlorine gas.

REUSE:

Land Application: An existing 0.230 MGD annual average daily flow (AADF) permitted capacity Part II slow-rate land application system (R-001). R-001 consists of one sprayfield of 35.14 acres and a lined storage pond having a capacity of 0.6 MG. R-001 is located approximately at latitude 29° 04' 21" N, longitude 82° 26' 24" W.

Land Application: An existing 0.014 MGD AADF permitted capacity Part IV rapid-rate land application system (R-002). R-002 consists of a one cell Rapid Infiltration Basin (RIB) of approximately 80,000 square feet of bottom surface area and having a storage capacity of 1.5 MG. R-002 is located approximately at latitude 29° 04' 21" N, longitude 82° 26' 24" W.

IN ACCORDANCE WITH: The limitations, monitoring requirements and other conditions set forth in Pages 1 through 16 of this permit.

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 PERMITTEE: Rainbow Springs Utilities, L.C.

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I. RECLAIMED WATER AND EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

A. Reuse and Land Application Systems

1. During the period beginning on the issuance date and lasting through the expiration date of this permit, the permittee is authorized to direct reclaimed water to Reuse System R-001 and R-002. Such reclaimed water shall be limited and monitored by the permittee as specified below and reported in accordance with condition I.B.8:

Parameter	Units	Max/Min	Reclaimed Water Limitations				Monitoring Requirements			
			Annual Average	Monthly Average	Weekly Average	Single Sample	Monitoring Frequency	Sample Type	Monitoring Location Site Number	Notes
Flow (to R-001)	MGD	Maximum	0.230	Report	-	-	5 Days/Week	Recording flow meters and totalizers	FLW-01	See Cond.IA.3
Flow (to R-002)	MGD	Maximum	0.014	Report	-	-	5 Days/Week	Recording flow meters and totalizers	FLW-01	See Cond.IA.3
BOD, Carbonaceous 5 day, 20C	MG/L	Maximum	20.0	30.0	45.0	60.0	Every Two Weeks	8-hour flow proportioned composite	EFA-01	
Solids, Total Suspended	MG/L	Maximum	20.0	30.0	45.0	60.0	Every Two Weeks	8-hour flow proportioned composite	EFA-01	
pH	SU	Range	-	-	-	6.0 to 8.5	5 Days/Week	Grab	EFA-01	
Coliform, Fecal	#/100M L	Maximum	200	-	-	800	Every Two Weeks	Grab	EFA-01	See Cond I.A.4.
Total Residual Chlorine (For Disinfection)	MG/L	Minimum	-	-	-	0.5	5 Days/Week	Grab	EFA-01	See Cond.IA.5
Nitrogen, Nitrate, Total (as NO3)	MG/L	Maximum	-	-	-	12.0	Every Two Weeks	8-hour flow proportioned composite	EFA-01	

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2. Reclaimed water samples shall be taken at the monitoring site locations listed in Permit Condition I. A. 1. and as described below:

Monitoring Location Site Number	Description of Monitoring Location
EFA-01	After disinfection and prior to discharge to spray irrigation system.
FLW-01	Effluent flow meter on final basin of CCC

3. Recording flow meters and totalizers shall be utilized to measure flow and calibrated at least annually. [62-601.200(17) and .500(6)]
4. The arithmetic mean of the monthly fecal coliform values collected during an annual period shall not exceed 200 per 100 mL of reclaimed water sample. The geometric mean of the fecal coliform values for a minimum of 10 samples of reclaimed water, each collected on a separate day during a period of 30 consecutive days (monthly), shall not exceed 200 per 100 mL of sample. Any one sample shall not exceed 800 fecal coliform values per 100 mL of sample. [62-610.410 and 62-600.440(4)(c)]
5. A minimum of 0.5mg/L total residual chlorine must be maintained for a minimum contact time of 15 minutes based on peak hourly flow. [62-610.410 and 62-600.440(4)(b)]

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B. Other Limitations and Monitoring and Reporting Requirements

1. During the period beginning on the issuance date and lasting through the expiration date of this permit, the treatment facility shall be limited and monitored by the permittee as specified below and reported in accordance with condition I.B.8:

Parameter	Units	Max/Min	Limitations				Monitoring Requirements			Notes
			Annual Average	Monthly Average	Weekly Average	Single Sample	Monitoring Frequency	Sample Type	Monitoring Location Site Number	
Flow, Total Plant	MGD	Maximum	0.230 3MADF	Report	-	-	5 Days/Week	Recording flow meters and totalizers	FLW-01	See Cond.I.B.3, 5
Percent Capacity, (TMADF/Permitted Capacity) x 100	PERCENT	Maximum	-	Report	-	-	Monthly	Calculated	FLW-01	
BOD, Carbonaceous 5 day, 20C	MG/L	Maximum	-	Report	-	-	Every Two Weeks	8-hour flow proportioned composite	INF-01	See Cond.I.B.4
Solids, Total Suspended	MG/L	Maximum	-	Report	-	-	Every Two Weeks	8-hour flow proportioned composite	INF-01	See Cond.I.B.4

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2. Samples shall be taken at the monitoring site locations listed in Permit Condition I. B. 1 and as described below:

Monitoring Location Site Number	Description of Monitoring Location
FLW-01	Effluent flow meter on final basin of CCC
INF-01	At headworks, prior to treatment and ahead of RASline.

3. The three-month average daily flow to the treatment plant shall not exceed 0.230 MGD.
4. Influent samples shall be collected so that they do not contain digester supernatant or return activated sludge, or any other plant process recycled waters. [62-601.500(4)]
5. Recording flow meters and totalizers shall be utilized to measure flow and calibrated at least annually. [62-601.200(17) and .500(6)]
6. Parameters which must be monitored as a result of a surface water discharge shall be analyzed using a sufficiently sensitive method to assure compliance with applicable water quality standards and effluent limitations in accordance with 40 CFR (Code of Federal Regulations) Part 136. All monitoring shall be representative of the monitored activity. [62-620.320(6)]
7. The permittee shall provide safe access points for obtaining representative influent, reclaimed water, and effluent samples which are required by this permit. [62-601.500(5)]
8. Monitoring requirements under this permit are effective on the first day of the second month following permit issuance. Until such time, the permittee shall continue to monitor and report in accordance with previously effective permit requirements, if any. During the period of operation authorized by this permit, the permittee shall complete and submit to the Department Discharge Monitoring Reports (DMRs) in accordance with the frequencies specified by the REPORT type (i.e., monthly, quarterly, semiannual, annual, etc.) indicated on the DMR forms attached to this permit. Monitoring results for each monitoring period shall be submitted in accordance with the associated DMR due dates below.

REPORT Type	Monitoring Period	Due Date
Monthly	first day of month – last day of month	28 th day of following month
Quarterly	January 1 - March 31	April 28
	April 1 – June 30	July 28
	July 1 – September 30	October 28
	October 1 – December 31	January 28
Semiannual	January 1 – June 30	July 28
	July 1 – December 31	January 28
Annual	January 1 – December 31	March 28

DMRs shall be submitted for each required monitoring period including months of no discharge. The permittee shall make copies of the attached DMR form(s) and shall submit the completed DMR form(s) to the Department at the address specified in Permit Condition I.B. 11 by the twenty-eighth (28th) of the month following the month of operation.

Originals to:

Florida Department of Environmental Protection
Wastewater Compliance Evaluation Section, Mail Station 3551
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Copies to:

Florida Department of Environmental Protection
Domestic Wastewater Program
Southwest District Office
13051 N. Telecom Parkway
Temple Terrace, FL 33637-0926

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[62-620.610(18)][62-601.300(1), (2), and (3)]

9. During the period of operation authorized by this permit, reclaimed water or effluent shall be monitored annually for the primary and secondary drinking water standards contained in Chapter 62-550, F.A.C., (except for turbidity, total coliforms, color, and corrosivity). Twenty-four hour composite samples shall be used to analyze reclaimed water or effluent for the primary and secondary drinking water standards. These monitoring results shall be reported to the Department annually on the Discharge Monitoring Report (DMR), or in another format if requested by the permittee and if approved by the Department as being compatible with data entry into the Department's computer system. During years when a permit is not renewed, a certification stating that no new non-domestic wastewater dischargers have been added to the collection system since the last reclaimed water or effluent analysis was conducted may be submitted in lieu of the report. The annual reclaimed water or effluent analysis report or the certification shall be completed and submitted in a timely manner so as to be received by the Department by June 28th of each year. Approved analytical methods identified in Rule 62-620.100(3)(i), F.A.C., shall be used for the analysis. If no method is included for a parameter, methods specified in Chapter 62-550, F.A.C., shall be used. *[62-601.300(4)(c)][62-610(4)(c)]F.A.C.(Effective 03/09/2006)*
10. The permittee shall submit an Annual Reuse Report using DEP Form 62-610.300(4)(a)2. on or before January 1 of each year. *[62-610.870(3)][62-610.300(4)(a)2]*
11. Unless specified otherwise in this permit, all reports and other information required by this permit, including 24-hour notifications, shall be submitted to or reported to, as appropriate, the Department's Southwest District Office at the address specified below:

Southwest District Office
13051 N. Telecom Parkway
Temple Terrace, Florida 33637-0926

Phone Number - 813-632-7600
FAX Number - 813-632-7662

All FAX copies shall be followed by original copies. All reports and other information shall be signed in accordance with the requirements of Rule 62-620.305, F.A.C. *[62-620.305]*

II. RESIDUALS MANAGEMENT REQUIREMENTS

1. The method of residuals use or disposal by this facility is transport to a Residuals Management Facility or disposal in a Class I or II solid waste landfill. Transportation to of the residuals to an alternative RMF does not require a permit modification, however, use of an alternative RMF requires a copy of the agreement pursuant to Chapter 62-640.880(1)(c) along with a written notification to the Department at least 30 days before transport of the residuals
2. The permittee shall be responsible for proper treatment, management, use, and land application or disposal of its residuals. *[62-640.300(5)]*
3. The permittee shall not be held responsible for treatment, management, use, or land application violations that occur after its residuals have been accepted by a permitted residuals management facility with which the source facility has an agreement in accordance with Rule 62-640.880(1)(c), F.A.C., for further treatment, management, use or land application. *[62-640.300(5)]*
4. Disposal of residuals, septage, and other solids in a solid waste landfill, or disposal by placement on land for purposes other than soil conditioning or fertilization, such as at a monofill, surface impoundment, waste pile, or dedicated site, shall be in accordance with Chapter 62-701, F.A.C. *[62-640.100(6)(k)3 & 4]*
5. If the permittee intends to accept residuals from other facilities, a permit revision is required pursuant to Rule 62-640.880(2)(d), F.A.C. *[62-640.880(2)(d)]*
6. The permittee shall keep hauling records to track the transport of residuals between facilities. The hauling records shall contain the following information:

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Source Facility

1. Date and Time Shipped
2. Amount of Residuals Shipped
3. Degree of Treatment (if applicable)
4. Name and ID Number of Residuals Management Facility or Treatment Facility
5. Signature of Responsible Party at Source Facility
6. Signature of Hauler and Name of Hauling Firm

Residuals Management Facility or Treatment Facility

1. Date and Time Received
2. Amount of Residuals Received
3. Name and ID Number of Source Facility
4. Signature of Hauler
5. Signature of Responsible Party at Residuals Management Facility or Treatment Facility

These records shall be kept for five years and shall be made available for inspection upon request by the Department. A copy of the hauling records information maintained by the source facility shall be provided upon delivery of the residuals to the residuals management facility or treatment facility. The permittee shall report to the Department within 24 hours of discovery any discrepancy in the quantity of residuals leaving the source facility and arriving at the residuals management facility or treatment facility. [62-640.880(4)]

III. GROUND WATER REQUIREMENTS

Construction Requirements

Section Construction Requirements is not applicable to this facility.

Operational Requirements

1. For Part II and Part IV land application system, all ground water quality criteria specified in Chapter 62-520, F.A.C., shall be met at the edge of the zone of discharge. The zone of discharge for this project shall extend horizontally 100 feet from the application site or to the facility's property line, whichever is less, and vertically to the base of the surficial aquifer. [62-520.200(23)][62-522.400 and 62-522.410]
2. The ground water minimum criteria specified in Rule 62-520.400 F.A.C., shall be met within the zone of discharge. [62-520.400 and 62-520.420(4)]
3. During the period of operation authorized by this permit, the permittee shall sample ground water in accordance with this permit and the approved ground water monitoring plan prepared in accordance with Rule 62-522.600, F.A.C. [62-522.600][62-610.412,]
4. The following monitoring wells shall be sampled in accordance with the monitoring frequencies specified in Permit Condition III.5. for Reuse System R-001. Quarterly sampling must be reasonably spaced to be representative of potentially changing conditions.

Monitoring Well ID	Alternate Well Name and/or Description of Monitoring Location	Depth (Feet)	Aquifer Monitored	New or Existing
MWB-01	MW-1	96.67	Floridan	existing
MWI-01	MW-2	59.00	Floridan	existing
MWC-01	MW-3	39.80	Floridan	existing
MWC-02	MW-4	33.91	Floridan	existing
MWC-03	MW-5	48.70	Floridan	existing
MWC-04	MW-6	70.00	Floridan	existing
MWC-05	MW-7	65.10	Floridan	existing

MWB = Background; MWI = Intermediate; MWC = Compliance

[62-522.600][62-610.412]

5. The following parameters shall be analyzed for each of the monitoring wells identified in Permit Condition III. 4:

Parameter	Compliance Well Limit	Units	Sample Type	Monitoring Frequency
Nitrogen, Nitrate, Total (as N)	10	MG/L	Grab	Quarterly
Solids, Total Dissolved (TDS)	500	MG/L	Grab	Quarterly
Arsenic, Total Recoverable	10	UG/L	Grab	Quarterly
Chloride (as Cl)	250	MG/L	Grab	Quarterly
Cadmium, Total Recoverable	5	UG/L	Grab	Quarterly
Chromium, Total Recoverable	100	UG/L	Grab	Quarterly
Lead, Total Recoverable	15	UG/L	Grab	Quarterly
Coliform, Fecal	4	#/100ML	Grab	Quarterly
pH	6.5 to 8.5	SU	In-situ	Quarterly
Sulfate, Total	250	MG/L	Grab	Quarterly
Turbidity	Report	NTU	Grab	Quarterly
Water Level Relative to NGVD	Report	FEET	In-situ	Quarterly
Sodium, Dissolved	160	MG/L	Grab	Quarterly
Specific Conductance	Report	UMHO/C M	In-situ	Quarterly
Temperature (C), Water	Report	DEG.C	In-situ	Quarterly
Oxygen, Dissolved (DO)	Report	MG/L	In-situ	Quarterly

[62-522.600(11)(b)] [62-601.300(3), 62-601.700, and Figure 3 of 62-601] [62-601.300(6)] [62-520.300(9)]

6. If the concentration for any constituent listed in Permit Condition III. 5. in the natural background quality of the ground water is greater than the stated maximum, or in the case of pH is also less than the minimum, the representative natural background quality shall be the prevailing standard. *[62-520.420(2)]*
7. In accordance with Part D of Form 62-620.910(10), water levels shall be recorded before evacuating wells for sample collection. Elevation references shall include the top of the well casing and land surface at each well site (NGVD allowable) at a precision of plus or minus 0.1 foot. *[62-610.412(2)(c),]*
8. Ground water monitoring wells shall be purged prior to sampling to obtain representative samples. *[62-601.700(5)]*
9. Analyses shall be conducted on unfiltered samples, unless filtered samples have been approved by the Department's Southwest District Office as being more representative of ground water conditions. *[62-520.300(9)]*
10. Ground water monitoring parameters shall be analyzed in accordance with Chapter 62-601, F.A.C. *[62-620.610(18)]*
11. Ground water monitoring test results shall be submitted on Part D of Form 62-620.910(10). For reuse or land application projects, results shall be submitted with the DMR for each month listed in the following schedule. The submitted results shall be for each year during the period of operation allowed by this permit in accordance with Permit Condition I.B.8. *[62-522.600(10) and (11)(b)] [62-601.300(3), 62.601.700, and Figure 3 of 62-601] [62-620.610(18)]*

SAMPLE PERIOD	REPORT DUE DATE
January - March	April 28
April - June	July 28
July - September	October 28
October - December	January 28

12. If any monitoring well becomes damaged or cannot be sampled for some reason, the permittee shall notify the Department's Southwest District Office immediately and a written report shall follow within seven days detailing the circumstances and remedial measures taken or proposed. Repair or replacement of monitoring wells shall be approved in advance by the Department's Southwest District Office. *[62-522.600][62-4.070(3)]*

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13. All piezometers and monitoring wells not part of the approved ground water monitoring plan are to be plugged and abandoned in accordance with Rule 62-532.500(4), F.A.C., unless there is intent for their future use. [62-532.500(4)]

IV. ADDITIONAL REUSE AND LAND APPLICATION REQUIREMENTS

Part II Slow-Rate/Restricted Access System(s) (R-001)

1. Advisory signs shall be posted around the site boundaries to designate the nature of the project area. [62-610.418(1)]
2. Routine aquatic weed control and regular maintenance of storage pond embankments and access areas are required. [62-610.414(8)]
3. The annual average hydraulic loading rate to the sprayfield of 35.14 acres shall be limited to a maximum of 1.69 inches per week. The hydraulic loading rate shall not produce surface runoff or ponding of the applied reclaimed water. [62-610.423(3) and (4)]
4. The crops or vegetation shall be periodically harvested and removed from the project area. [62-610.310(3)(d) and 62-610.419(1)(b)]
5. Dairy cattle whose milk is intended for human consumption shall not be allowed on the project area for a period of 15 days after the last application of reclaimed water. No restrictions are imposed on the grazing of other cattle. [62-610.425]
6. Irrigation of edible food crops is prohibited. [62-610.426]

Part IV Rapid-Rate Land Application System (R-002)

7. The annual average hydraulic loading rate to the rapid infiltration basin(s) shall be limited to a maximum of 1.97 inches per week (as applied to the entire bottom area). [62-610.523(3)]
8. Rapid infiltration basins shall be routinely maintained to control vegetation growth and to maintain percolation capability by scarification or removal of deposited solids. Basin bottoms shall be maintained to be level. [62-610.523(6) and (7)]
9. Routine aquatic weed control and regular maintenance of storage pond embankments and access areas are required. [62-610.514 and 62-610.414]
10. Overflows from emergency discharge facilities on storage ponds or on infiltration ponds, basins, or trenches shall be reported as an abnormal event to the Department's Southwest District Office within 24 hours of an occurrence. The provisions of Rule 62-610.800(9), F.A.C., shall be met. [62-610.800(9)]

V. OPERATION AND MAINTENANCE REQUIREMENTS

1. During the period of operation authorized by this permit, the wastewater facilities shall be operated under the supervision of an operator certified in accordance with Chapter 62-602, F.A.C. In accordance with Chapter 62-699, F.A.C., this facility is a Category III, Class C facility and, at a minimum, operators with appropriate certification must be on the site as follows:

A Class C or higher operator ½ hours/day for 5 days/week and one weekend visit. The lead operator must be a Class C operator, or higher.

[62-620.630(3)] [62-699.310] [62-610.462]

2. An operator meeting the lead operator classification level of the plant shall be available during all periods of plant operation. "Available" means able to be contacted as needed to initiate the appropriate action in a timely manner. [62-699.311(1)]
3. The application to renew this permit shall include an updated capacity analysis report prepared in accordance with Rule 62-600.405, F.A.C. [62-600.405(5)]

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4. The application to renew this permit shall include a detailed operation and maintenance performance report prepared in accordance with Rule 62-600.735, F.A.C. [62-600.735(1)]
5. The permittee shall maintain the following records and make them available for inspection on the site of the permitted facility:
 - a. Records of all compliance monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation and a copy of the laboratory certification showing the certification number of the laboratory, for at least three years from the date the sample or measurement was taken;
 - b. Copies of all reports required by the permit for at least three years from the date the report was prepared;
 - c. Records of all data, including reports and documents, used to complete the application for the permit for at least three years from the date the application was filed;
 - d. Monitoring information, including a copy of the laboratory certification showing the laboratory certification number, related to the residuals use and disposal activities for the time period set forth in Chapter 62-640, F.A.C., for at least three years from the date of sampling or measurement;
 - e. A copy of the current permit;
 - f. A copy of the current operation and maintenance manual as required by Chapter 62-600, F.A.C.;
 - g. A copy of the facility record drawings;
 - h. Copies of the licenses of the current certified operators; and
 - i. Copies of the logs and schedules showing plant operations and equipment maintenance for three years from the date of the logs or schedules. The logs shall, at a minimum, include identification of the plant; the signature and certification number of the operator(s) and the signature of the person(s) making any entries; date and time in and out; specific operation and maintenance activities; tests performed and samples taken; and major repairs made. The logs shall be maintained on-site in a location accessible to 24-hour inspection, protected from weather damage, and current to the last operation and maintenance performed.

[62-620.350]

VI. SCHEDULES

Section VI is not applicable to this facility.

VII. INDUSTRIAL PRETREATMENT PROGRAM REQUIREMENTS

This facility is not required to have a pretreatment program at this time. [62-625.500]

VIII. OTHER SPECIFIC CONDITIONS

1. The permittee shall apply for renewal of this permit at least 180 days before the expiration date of the permit using the appropriate forms listed in Rule 62-620.910, F.A.C., including submittal of the appropriate processing fee set forth in Rule 62-4.050, F.A.C. The existing permit shall not expire until the Department has taken final action on the application renewal in accordance with the provisions of 62-620.335(3) and (4), F.A.C. [62-620.335(1)-(4)]
2. Florida water quality criteria and standards shall not be violated as a result of any discharge or land application of reclaimed water or residuals from this facility. [62-610.850(1)(a) and (2)(a)]
3. In the event that the treatment facilities or equipment no longer function as intended, are no longer safe in terms of public health and safety, or odor, noise, aerosol drift, or lighting adversely affects neighboring developed areas at the levels prohibited by Rule 62-600.400(2)(a), F.A.C., corrective action (which may include additional maintenance or modifications of the permitted facilities) shall be taken by the permittee. Other corrective action may be required to

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ensure compliance with rules of the Department. Additionally, the treatment, management, use or land application of residuals shall not cause a violation of the odor prohibition in Rule 62-296.320(2), F.A.C. [62-600.410(8) and 62-640.400(6)]

4. The deliberate introduction of stormwater in any amount into collection/transmission systems designed solely for the introduction (and conveyance) of domestic/industrial wastewater; or the deliberate introduction of stormwater into collection/transmission systems designed for the introduction or conveyance of combinations of storm and domestic/industrial wastewater in amounts which may reduce the efficiency of pollutant removal by the treatment plant is prohibited, except as provided by Rule 62-610.472, F.A.C. [62-604.130(3)]
5. Collection/transmission system overflows shall be reported to the Department in accordance with Permit Condition IX. 20. [62-604.550] [62-620.610(20)]
6. The operating authority of a collection/transmission system and the permittee of a treatment plant are prohibited from accepting connections of wastewater discharges which have not received necessary pretreatment or which contain materials or pollutants (other than normal domestic wastewater constituents):
 - a. Which may cause fire or explosion hazards; or
 - b. Which may cause excessive corrosion or other deterioration of wastewater facilities due to chemical action or pH levels; or
 - c. Which are solid or viscous and obstruct flow or otherwise interfere with wastewater facility operations or treatment; or
 - d. Which result in the wastewater temperature at the introduction of the treatment plant exceeding 40°C or otherwise inhibiting treatment; or
 - e. Which result in the presence of toxic gases, vapors, or fumes that may cause worker health or safety problems.[62-604.130(5)]
7. The treatment facility, storage ponds, rapid infiltration basins, and/or infiltration trenches shall be enclosed with a fence or otherwise provided with features to discourage the entry of animals and unauthorized persons. [62-610.418(1)] [62-610.518(1)] [and 62-600.400(2)(b)]
8. Screenings and grit removed from the wastewater facilities shall be collected in suitable containers and hauled to a Department approved Class I landfill or to a landfill approved by the Department for receipt/disposal of screenings and grit. [62-701.300(1)(a)]
9. The Permittee shall provide verbal notice to the Department as soon as practical after discovery of a sinkhole within an area for the management or application of wastewater, wastewater residuals (sludges), or reclaimed water. The Permittee shall immediately implement measures appropriate to control the entry of contaminants, and shall detail these measures to the Department in a written report within 7 days of the sinkhole discovery. [62-4.070(3)]
10. The permittee shall provide adequate notice to the Department of the following:
 - a. Any new introduction of pollutants into the facility from an industrial discharger which would be subject to Chapter 403, F.S., and the requirements of Chapter 62-620, F.A.C. if it were directly discharging those pollutants; and
 - b. Any substantial change in the volume or character of pollutants being introduced into that facility by a source which was identified in the permit application and known to be discharging at the time the permit was issued.

Adequate notice shall include information on the quality and quantity of effluent introduced into the facility and any anticipated impact of the change on the quantity or quality of effluent or reclaimed water to be discharged from the facility.

[62-620.625(2)]

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IX. GENERAL CONDITIONS

1. The terms, conditions, requirements, limitations and restrictions set forth in this permit are binding and enforceable pursuant to Chapter 403, Florida Statutes. Any permit noncompliance constitutes a violation of Chapter 403, Florida Statutes, and is grounds for enforcement action, permit termination, permit revocation and reissuance, or permit revision. *[62-620.610(1)]*
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviations from the approved drawings, exhibits, specifications or conditions of this permit constitutes grounds for revocation and enforcement action by the Department. *[62-620.610(2)]*
3. As provided in subsection 403.087(7), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor authorize any infringement of federal, state, or local laws or regulations. This permit is not a waiver of or approval of any other Department permit or authorization that may be required for other aspects of the total project which are not addressed in this permit. *[62-620.610(3)]*
4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title. *[62-620.610(4)]*
5. This permit does not relieve the permittee from liability and penalties for harm or injury to human health or welfare, animal or plant life, or property caused by the construction or operation of this permitted source; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department. The permittee shall take all reasonable steps to minimize or prevent any discharge, reuse of reclaimed water, or residuals use or disposal in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. *[62-620.610(5)]*
6. If the permittee wishes to continue an activity regulated by this permit after its expiration date, the permittee shall apply for and obtain a new permit. *[62-620.610(6)]*
7. The permittee shall at all times properly operate and maintain the facility and systems of treatment and control, and related appurtenances, that are installed and used by the permittee to achieve compliance with the conditions of this permit. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to maintain or achieve compliance with the conditions of the permit. *[62-620.610(7)]*
8. This permit may be modified, revoked and reissued, or terminated for cause. The filing of a request by the permittee for a permit revision, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition. *[62-620.610(8)]*
9. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, including an authorized representative of the Department and authorized EPA personnel, when applicable, upon presentation of credentials or other documents as may be required by law, and at reasonable times, depending upon the nature of the concern being investigated, to:
 - a. Enter upon the permittee's premises where a regulated facility, system, or activity is located or conducted, or where records shall be kept under the conditions of this permit;
 - b. Have access to and copy any records that shall be kept under the conditions of this permit;
 - c. Inspect the facilities, equipment, practices, or operations regulated or required under this permit; and
 - d. Sample or monitor any substances or parameters at any location necessary to assure compliance with this permit or Department rules.

[62-620.610(9)]

FACILITY: Rainbow Springs 5th Replat WWTF
PERMITTEE: Rainbow Springs Utilities, L.C.

PERMIT NUMBER: FLA012693

10. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data, and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except as such use is proscribed by Section 403.111, Florida Statutes, or Rule 62-620.302, Florida Administrative Code. Such evidence shall only be used to the extent that it is consistent with the Florida Rules of Civil Procedure and applicable evidentiary rules. *[62-620.610(10)]*
11. When requested by the Department, the permittee shall within a reasonable time provide any information required by law which is needed to determine whether there is cause for revising, revoking and reissuing, or terminating this permit, or to determine compliance with the permit. The permittee shall also provide to the Department upon request copies of records required by this permit to be kept. If the permittee becomes aware of relevant facts that were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be promptly submitted or corrections promptly reported to the Department. *[62-620.610(11)]*
12. Unless specifically stated otherwise in Department rules, the permittee, in accepting this permit, agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules. A reasonable time for compliance with a new or amended surface water quality standard, other than those standards addressed in Rule 62-302.500, F.A.C., shall include a reasonable time to obtain or be denied a mixing zone for the new or amended standard. *[62-620.610(12)]*
13. The permittee, in accepting this permit, agrees to pay the applicable regulatory program and surveillance fee in accordance with Rule 62-4.052, F.A.C. *[62-620.610(13)]*
14. This permit is transferable only upon Department approval in accordance with Rule 62-620.340, F.A.C. The permittee shall be liable for any noncompliance of the permitted activity until the transfer is approved by the Department. *[62-620.610(14)]*
15. The permittee shall give the Department written notice at least 60 days before inactivation or abandonment of a wastewater facility and shall specify what steps will be taken to safeguard public health and safety during and following inactivation or abandonment. *[62-620.610(15)]*
16. The permittee shall apply for a revision to the Department permit in accordance with Rules 62-620.300 and the Department of Environmental Protection Guide to Wastewater Permitting at least 90 days before construction of any planned substantial modifications to the permitted facility is to commence or with Rule 62-620.325(2) for minor modifications to the permitted facility. A revised permit shall be obtained before construction begins except as provided in Rule 62-620.300, F.A.C. *[62-620.610(16)]*
17. The permittee shall give advance notice to the Department of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements. The permittee shall be responsible for any and all damages which may result from the changes and may be subject to enforcement action by the Department for penalties or revocation of this permit. The notice shall include the following information:
 - a. A description of the anticipated noncompliance;
 - b. The period of the anticipated noncompliance, including dates and times; and
 - c. Steps being taken to prevent future occurrence of the noncompliance.*[62-620.610(17)]*
18. Sampling and monitoring data shall be collected and analyzed in accordance with Rule 62-4.246, Chapters 62-160 and 62-601, F.A.C., and 40 CFR 136, as appropriate.
 - a. Monitoring results shall be reported at the intervals specified elsewhere in this permit and shall be reported on a Discharge Monitoring Report (DMR), DEP Form 62-620.910(10), or as specified elsewhere in the permit.

FACILITY: Rainbow Springs 5th Replat WWTF
PERMITTEE: Rainbow Springs Utilities, L.C.

PERMIT NUMBER: FLA012693

- b. If the permittee monitors any contaminant more frequently than required by the permit, using Department approved test procedures, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the DMR.
- c. Calculations for all limitations which require averaging of measurements shall use an arithmetic mean unless otherwise specified in this permit.
- d. Except as specifically provided in Rule 62-160.300, F.A.C., any laboratory test required by this permit shall be performed by a laboratory that has been certified by the Department of Health Environmental Laboratory Certification Program (DOH ELCP). Such certification shall be for the matrix, test method and analyte(s) being measured to comply with this permit. For domestic wastewater facilities, testing for parameters listed in Rule 62-160.300(4), F.A.C., shall be conducted under the direction of a certified operator.
- e. Field activities including on-site tests and sample collection shall follow the applicable standard operating procedures described in DEP-SOP-001/01 adopted by reference in Chapter 62-160, F.A.C.
- f. Alternate field procedures and laboratory methods may be used where they have been approved in accordance with Rules 62-160.220 and 62-160.330, F.A.C.

[62-620.610(18)]

19. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule detailed elsewhere in this permit shall be submitted no later than 14 days following each schedule date. *[62-620.610(19)]*
20. The permittee shall report to the Department any noncompliance which may endanger health or the environment. Any information shall be provided orally within 24 hours from the time the permittee becomes aware of the circumstances. A written submission shall also be provided within five days of the time the permittee becomes aware of the circumstances. The written submission shall contain: a description of the noncompliance and its cause; the period of noncompliance including exact dates and time, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance.
 - a. The following shall be included as information which must be reported within 24 hours under this condition:
 1. Any unanticipated bypass which causes any reclaimed water or effluent to exceed any permit limitation or results in an unpermitted discharge,
 2. Any upset which causes any reclaimed water or the effluent to exceed any limitation in the permit,
 3. Violation of a maximum daily discharge limitation for any of the pollutants specifically listed in the permit for such notice, and
 4. Any unauthorized discharge to surface or ground waters.
 - b. Oral reports as required by this subsection shall be provided as follows:
 1. For unauthorized releases or spills of treated or untreated wastewater reported pursuant to subparagraph a.4 that are in excess of 1,000 gallons per incident, or where information indicates that public health or the environment will be endangered, oral reports shall be provided to the Department by calling the STATE WARNING POINT TOLL FREE NUMBER (800) 320-0519, as soon as practical, but no later than 24 hours from the time the permittee becomes aware of the discharge. The permittee, to the extent known, shall provide the following information to the State Warning Point:
 - a) Name, address, and telephone number of person reporting;
 - b) Name, address, and telephone number of permittee or responsible person for the discharge;
 - c) Date and time of the discharge and status of discharge (ongoing or ceased);

FACILITY: Rainbow Springs 5th Replat WWTF
PERMITTEE: Rainbow Springs Utilities, L.C.

PERMIT NUMBER: FLA012693

- d) Characteristics of the wastewater spilled or released (untreated or treated, industrial or domestic wastewater);
 - e) Estimated amount of the discharge;
 - f) Location or address of the discharge;
 - g) Source and cause of the discharge;
 - h) Whether the discharge was contained on-site, and cleanup actions taken to date;
 - i) Description of area affected by the discharge, including name of water body affected, if any; and
 - j) Other persons or agencies contacted.
2. Oral reports, not otherwise required to be provided pursuant to subparagraph b.1 above, shall be provided to the Department within 24 hours from the time the permittee becomes aware of the circumstances.
- c. If the oral report has been received within 24 hours, the noncompliance has been corrected, and the noncompliance did not endanger health or the environment, the Department shall waive the written report.

[62-620.610(20)]

21. The permittee shall report all instances of noncompliance not reported under Permit Conditions IX. 17., 18. and 19. of this permit at the time monitoring reports are submitted. This report shall contain the same information required by Permit Condition IX. 20 of this permit. *[62-620.610(21)]*

22. Bypass Provisions.

- a. Bypass is prohibited, and the Department may take enforcement action against a permittee for bypass, unless the permittee affirmatively demonstrates that:
 1. Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage; and
 2. There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance; and
 3. The permittee submitted notices as required under Permit Condition IX. 22. b. of this permit.
- b. If the permittee knows in advance of the need for a bypass, it shall submit prior notice to the Department, if possible at least 10 days before the date of the bypass. The permittee shall submit notice of an unanticipated bypass within 24 hours of learning about the bypass as required in Permit Condition IX. 20. of this permit. A notice shall include a description of the bypass and its cause; the period of the bypass, including exact dates and times; if the bypass has not been corrected, the anticipated time it is expected to continue; and the steps taken or planned to reduce, eliminate, and prevent recurrence of the bypass.
- c. The Department shall approve an anticipated bypass, after considering its adverse effect, if the permittee demonstrates that it will meet the three conditions listed in Permit Condition IX. 22. a. 1. through 3. of this permit.
- d. A permittee may allow any bypass to occur which does not cause reclaimed water or effluent limitations to be exceeded if it is for essential maintenance to assure efficient operation. These bypasses are not subject to the provisions of Permit Condition IX. 22. a. through c. of this permit.

[62-620.610(22)]

23. Upset Provisions

- a. A permittee who wishes to establish the affirmative defense of upset shall demonstrate, through properly signed contemporaneous operating logs, or other relevant evidence that:

FACILITY: Rainbow Springs 5th Replat WWTF
PERMITTEE: Rainbow Springs Utilities, L.C.

PERMIT NUMBER: FLA012693

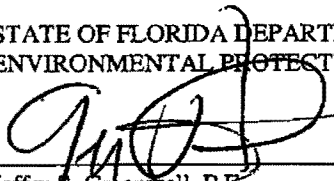
1. An upset occurred and that the permittee can identify the cause(s) of the upset;
 2. The permitted facility was at the time being properly operated;
 3. The permittee submitted notice of the upset as required in Permit Condition IX. 20. of this permit; and
 4. The permittee complied with any remedial measures required under Permit Condition IX. 5. of this permit.
- b. In any enforcement proceeding, the burden of proof for establishing the occurrence of an upset rests with the permittee.
- c. Before an enforcement proceeding is instituted, no representation made during the Department review of a claim that noncompliance was caused by an upset is final agency action subject to judicial review.

[62-620.610(23)]

Executed in Hillsborough County, FL

STATE OF FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION

for



Jeffrey S. Greenwell, P.E.
Water Facilities Administrator
Southwest District
13051 North Telecom Parkway
Temple Terrace, FL 33637-0926



Southwest Florida Water Management District

2379 Broad Street, Brooksville, Florida 34604-6899
(352) 796-7211 or 1-800-423-1476 (FL only)
SUNCOM 628-4150 TDD only 1-800-231-6103 (FL only)
On the Internet at: WaterMatters.org

Bartow Service Office
170 Century Boulevard
Bartow, Florida 33830-7700
(863) 534-1448 or
1-800-492-7862 (FL only)
SUNCOM 572-6200

Lecanto Service Office
Suite 228
3600 West Sovereign Palm
Lecanto, Florida 34461-8070
(352) 527-8131
SUNCOM 667-3271

Sarasota Service Office
6750 Fruitville Road
Sarasota, Florida 34240-9711
(941) 377-3722 or
1-800-320-3503 (FL only)
SUNCOM 531-6900

Tampa Service Office
7801 Highway 301 North
Tampa, Florida 33637-6737
(813) 985-7481 or
1-800-836-0797 (FL only)
SUNCOM 578-2070

- Heldi E. McCree**
Chair, Hillsborough
- Tabbudge G. "Jerry" Rice**
Vice Chair, Pasco
- Patsy C. Symons**
Secretary, DeSoto
- Judith C. Whitehead**
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Polk
- Thomas G. Dabney**
Suwannee
- Watson L. Haynes II**
Pinellas
- Janet D. Kovach**
Hillsborough
- Todd Pressman**
Pinellas

- David L. Moore**
Executive Director
- Gene A. Heath**
Assistant Executive Director
- William A. Henley**
General Counsel

November 30, 2005

Lowell Smallridge
Rainbow Springs Utilities, LC
Post Office Box 1850
Dunneilon FL 34430

Subject: Permit Transmittal Letter
Individual Water Use Permit No. 20004257-012

Dear Mr. Smallridge:

This Water Use Permit was approved by the District Governing Board subject to all terms and conditions set forth in the approved Permit.

Please be advised that the Governing Board has formulated a water shortage plan as referenced in Condition 4 of the Standard Water Use Permit Conditions and will implement such a plan during periods of water shortage. You will be notified during a declared water shortage of any change in the conditions of your Permit or any suspension of your Permit, or of any restriction on your use of water for the duration of any declared water shortage.

The ID tags for your withdrawals shall be installed by a District representative. This representative will attempt to contact you within 30 days to discuss placement of your tags. If you have any questions or concerns regarding your tags, please contact Sandy Semegen at extension 4349, in the Brooksville Regulation Department. If you have any questions or concerns regarding your permit or any other information, please contact this office at extension 4338.

Sincerely,

BJ Jarvis, Director
Records and Data Department

BJJ:mic

Enclosures: Approved Permit

cc: File of Record

Chuck A. Pigeon, Berryman & Henigar

Malcom L. Bryant, M.E., E.I., Berryman and Henigar

RECEIVED
NOV 30 2005
LOCAL

**SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
WATER USE
INDIVIDUAL
PERMIT NO. 20004257.012**

EXPIRATION DATE: July 27, 2010

PERMIT ISSUE DATE: November 30, 2005

THE PERMITTEE IS RESPONSIBLE FOR APPLYING FOR A RENEWAL OF THIS PERMIT PRIOR TO THE EXPIRATION DATE WHETHER OR NOT THE PERMITTEE RECEIVES PRIOR NOTIFICATION BY MAIL. FAILURE TO DO SO AND CONTINUED USE OF WATER AFTER EXPIRATION DATE IS A VIOLATION OF DISTRICT RULES AND MAY RESULT IN A MONETARY PENALTY AND/OR LOSS OF WATER. APPLICATION FOR RENEWAL PRIOR TO THE EXPIRATION DATE IS SUBJECT TO DISTRICT EVALUATION AND APPROVAL.

This permit, issued under the provision of Chapter 373, Florida Statutes and Florida Administrative Code 400.2, authorizes the Permittee to withdraw the quantities outlined herein, and may require various activities to be performed by the Permittee as outlined by the Special Conditions. This permit does not convey to the Permittee any property rights or privileges other than those specified herein, nor relieve the Permittee from complying with any applicable local government, state, or federal law, rule, or ordinance. This permit, subject to all terms and conditions, meets all District permitting criteria.

GRANTED TO: Rainbow Springs Utilities, LC
Post Office Box 1850
Dunnellon, FL 34430

COUNTY: Marion

PROJECT NAME: Rainbow Springs

WATER USE CAUTION AREA: N/A

ABSTRACT: This is a modification to increase quantities on an existing permit for public supply for single-family residential use. Annual average quantities increase from 1,130,000 gallons per day (gpd) to 1,263,000 gpd (increase of 133,000 gpd) and peak month quantities increase from 1,630,000 gpd to 1,869,000 gpd (increase of 239,000 gpd) for a projected population of 8,418 people. The gross per capita rate for the proposed quantities is 150 gpcd. Special Conditions include those that require the Permittee to record and report quantities and quality of water pumped from all wells on a monthly basis; submit information on final well locations; implement an approved water conservation plan; submit an annual water use report; and implement the approved environmental management plan.

TYPE OF APPLICATION: Modification **APPLICATION FILED:** June 17, 2005

APPLICATION AMENDED: N/A **ACRES:** 72 Owned
6,326 Serviced
6,398 Total

PROPERTY LOCATION: Marion County, approximately 3 miles north of Dunnellon on U.S. 41 and south of State Road 40, approximately 1 mile east of U.S. 41.

TOTAL QUANTITIES AUTHORIZED UNDER THIS PERMIT (in gpd)

ANNUAL AVERAGE	1,263,000
PEAK MONTH	1,869,000

<u>Use</u>	<u>Annual Average (gpd)</u>	<u>Peak Month (gpd)</u>
Public Supply	1,263,000	1,869,000

See Withdrawal Table for quantities permitted for each withdrawal point.

<u>SERVICE AREA NAME</u>	<u>POPULATION SERVED</u>	<u>PER CAPITA RATE</u>
Rainbow Springs Utilities LC	8 418	Gross 150 gpd/person

	<u>I.D. NO.</u>	<u>PERMITTEE/ DISTRICT</u>	<u>DIAM. (IN.)</u>	<u>DEPTH TTL./CSD. FT.</u>	<u>USE</u>	<u>GALLONS PER DAY</u>		
						<u>AVERAGE</u>	<u>PEAK MONTH</u>	
	W14 / 14		10	250 / 69	B	50,000	80,000	
	W15 / 15		12	165 / 110	B	475,000	680,000	
	W105 / 24		12	285 / 130	B	30,000	45,000	
	W106 / 25		12	150 / 115	B	30,000	45,000	
	W18 / 36		12	157 / 122	B	475,000	680,000	
TRACT F	W37 / 37		12	200 / 100	B	35,000	50,000	
	W38 / 38		12	200 / 100	B	35,000	50,000	
TRACT K	W39 / 39		12	UNK / UNK	B	66,500	119,500	
	W39 / 39		12	UNK / UNK	B	133,000	239,000	Wellfield Flexibility
	W40 / 40		12	UNK / UNK	B	66,500	119,500	
	W40 / 40		12	UNK / UNK	B	133,000	239,000	Wellfield Flexibility

B = Public Supply

<u>DISTRICT I.D. NO.</u>	<u>LOCATION LAT./LONG.</u>	<u>SECTION/TOWNSHIP/RANGE</u>
14	290529.10/822648.90	13/16/18
15	290517.99/822643.96	13/16/18
24	290613.01/822823.97	10/16/18
25	290613.07/822822.76	10/16/18
36	290517.50/822650.50	13/16/18
37	290434.52/822752.53	23/16/18
38	290433.36/822752.51	23/16/18
39	290721.21/822441.59	05/16/19
40	290713.58/822441.32	05/16/19

SPECIAL CONDITIONS:

All conditions referring to approval by the Regulation Department Director, Resource Regulation, shall refer to the Director, Brooksville Regulation Department, Resource Regulation.

1. All reports required by the permit shall be submitted to the District on or before the tenth day of the month following data collection and shall be addressed to:

Permit Data Section, Records and Data Department
Southwest Florida Water Management District
2379 Broad Street
Brooksville, Florida 34604-6899

Unless otherwise indicated, three copies of each plan or report, with the exception of pumpage, rainfall, evapotranspiration, water level or water quality data which require one copy, are required by the permit.

2. The Permittee shall investigate the feasibility of using reclaimed water as a water source and submit a report describing the feasibility to the Permit Data Section, Records and Data Department by October 31, 2007. The report shall contain an analysis of reclaimed water sources for the area, including the relative location of these sources to the Permittee's property, the quantity of reclaimed water available, the projected date of availability, costs associated with obtaining the reclaimed water, and an implementation schedule for reuse, if feasible. Infeasibility shall be supported with a detailed explanation.

3. The Permittee shall meter withdrawals from surface waters and/or the ground water resources, and meter readings from each withdrawal shall be recorded on a monthly basis within the last week of the month. The meter readings shall be reported to the Permit Data Section, Records and Data Department (using District scanning forms, unless the District has approved another arrangement for submission of this data) on or before the tenth day of the following month. If a metered withdrawal is not utilized during a given month, the meter report shall be submitted to the District indicating the same meter reading as was submitted the previous month. The following withdrawals shall be metered as applicable:

Permittees with permitted withdrawal facilities that are not yet constructed shall install meters on District ID Nos. 39 and 40, Permittee ID Nos. W39 and W40 within 90 days of completion of construction of the withdrawal.

Permittees with existing permitted withdrawal facilities shall continue to maintain and operate existing, non-resettable, totalizing flow meters or other flow measuring devices as approved by the Regulation Department Director on District ID Nos. 14, 15, 24, 25, 36, 37 and 38, Permittee ID Nos. W14, W15, W105, W106, W18, W37 and W38.

The meters shall adhere to the following descriptions and shall be installed or maintained as follows:

- A. The meters shall be non-resettable, totalizing flow meters. If other measuring devices are proposed, prior to installation, approval shall be obtained in writing from the Regulation Department Director.
- B. The flow meters or other approved devices shall have and maintain an accuracy within five percent of the actual flow as installed.
- C. The meter shall be tested for accuracy on-site, as installed, every five years beginning from the date of issuance unless the Permittee demonstrates to the satisfaction of the District that a longer period of time for testing is warranted. The test shall be performed by a person certified in the equipment used. If the actual flow is found to be greater than 5% different from the measured flow, the Permittee shall have the meter re-calibrated or replaced, whichever is necessary. Documentation of the test and a certificate of

- D. re-calibration, if applicable, shall be submitted within 30 days of each test or re-calibration. The meter shall be installed in a straight length of pipe where there is at least an upstream length equal to ten (10) times the outside pipe diameter and a downstream length equal to two (2) times the outside pipe diameter. Where there is not at least a length of ten diameters upstream available, flow straightening vanes shall be used in the line
- E. If the meter or other flow measuring device malfunctions or has to be removed from the withdrawal for maintenance or repair, the Permittee shall notify the District within 30 days of discovering the necessity to replace or repair the meter and replace it with a repaired or new meter, subject to the same specifications given above, within 30 days of its removal from the withdrawal.
- F. While the meter is off the withdrawal, the Permittee shall request instructions on how to estimate use from the Permit Data Section. The estimate of the number of gallons used each month during that period shall be submitted according to the instructions received from the District.
- G. In the event a new meter is installed to replace a broken meter, it and its installation shall meet the specifications of this condition. The Permittee shall notify the District of the replacement with the first submittal of meter readings from the new meter

4. The Permittee shall continue to maintain the District-approved staff gauges and report measurements of water levels, as indicated in the table below. Water levels shall be recorded and reported to the Permit Data Section, Records and Data Department, (on District forms) on or before the tenth day of the following month. To the maximum extent possible, water levels shall be recorded as indicated in the table below. The frequency of recording may be modified by the Regulation Department Director, Resource Regulation, as necessary to ensure the protection of the resource.

<u>District ID No.</u>	<u>Permittee ID No.</u>	<u>Water Body/ Wetland</u>	<u>Latitude/ Longitude</u>	<u>Recording Frequency</u>
50	SG1	Unnamed Pond	290526.91/822858.63	Twice per month

- 5. By January 1, 2006, the Permittee shall submit to the Permit Data Section, Records and Data Department, the specific location of District ID Nos. 39 and 40, Permittee ID Nos. W39 and W40, on an original blue line aerial with a minimum scale of 1" = 800' or by latitude/longitude.
- 6. By April 1 of each year, the Permittee shall submit a residential water use report for the preceding period of October 1, through September 30, detailing:
 - A. The number of single family dwelling units served and their total water use,
 - B. The number of multi-family dwelling units served and their total water use,
 - C. The number of mobile homes served and their total water use.

Where separate indoor and outdoor meters exist, residential water use quantities shall include both the indoor and outdoor water uses associated with the dwelling units, including irrigation water.

7. **DISTRIBUTION FLEXIBILITY**

A. The average day, peak monthly, and maximum daily, if applicable, quantities for District ID Nos. 15, 24, 25, 36, 37, 38, 39, and 40, Permittee ID Nos. W15, W105, W106, W18, W37, W38, W39 and W40 shown in the production withdrawal table are estimates based on projected distribution of pumpage, and are for water use inventory and impact analysis purposes. The quantities listed for these individual sources are not intended to dictate the distribution of pumpage from permitted sources. The Permittee may make adjustments in pumpage distribution as necessary up to rates indicated in the table below for each withdrawal point. In all cases, the total average annual daily withdrawal, the total peak monthly daily withdrawal, and the total crop protection daily withdrawal are limited to the quantities set forth above.

Owner ID No./ District ID No.	Adjustment Annual Average Day (gpd)	Adjustment Peak Month Average Day (gpd)
W15 / 15	950,000	1,360,000
W105 / 24	60,000	90,000
W106 / 25	60,000	90,000
W18 / 36	950,000	1,360,000
W37 / 37	70,000	100,000
W38 / 38	70,000	100,000
W39 / 39	133,000	239,000
W40 / 40	133,000	239,000

B. The average day, peak monthly, and maximum daily, if applicable, quantities for District ID Nos. 39, 40, the proposed Permittee ID Nos. W-39, W-40 shown in the production withdrawal table are estimates based on projected distribution of pumpage, and are for water use inventory and impact analysis purposes. The quantities listed for these individual sources are not intended to dictate the distribution of pumpage from permitted sources. The Permittee may make adjustments in pumpage distribution as necessary up to rates indicated in the table for each withdrawal point. In all cases, the total average annual daily withdrawal, the total peak monthly daily withdrawal, and the total crop protection daily withdrawal are limited to the quantities set forth above.

WATER QUALITY MONITORING

8. Water quality samples shall be collected and analyzed, for parameters, and frequency specified below. Water quality samples from production well shall be collected whether or not the well is being used, unless infeasible. If sampling is infeasible, the Permittee shall indicate the reason for not sampling on the water quality data form. Water quality samples shall be analyzed by a laboratory certified by the Florida Department of Health utilizing the standards and methods applicable to the parameters analyzed and to the water use pursuant to Chapter 64E-1, Florida Administrative Code, "Certification of Environmental Testing Laboratories". At a minimum, water quality samples shall be collected after pumping the well at its normal rate for a pumping time specified in the table below, or to a constant temperature, pH, and conductivity. In addition, the Permittee's sampling procedure shall follow the handling and chain of custody procedures designated by the certified laboratory which will undertake the analysis. Any variance in sampling and/or analytical methods shall have prior approval of the Regulation Department Director, Resource Regulation. Reports of the analyses shall be submitted to the Permit Data Section, Records and Data Department, (using District forms) on or before the tenth day of the following month, and shall include the signature of an authorized representative and certification number of the certified laboratory, which undertook the analysis. The parameters and frequency of sampling and analysis may be modified by the Regulation Department Director, Resource Regulation, as necessary to ensure the protection of the resource.

<u>District ID No.</u>	<u>Permittee ID No.</u>	<u>Minimum Pumping Time (minutes)</u>	<u>Parameter</u>	<u>Sampling Frequency</u>
15	W15	15	Chlorides, Sulfates and Specific Conductance	February, May August and November
39, 40	W39, W40	15	Chlorides, Sulfates and Specific Conductance	February, May August and November

Water quality samples shall be collected based on the following timetable:

Quarterly Same week of months specified

Analyses shall be performed according to procedures outlined in the current edition of Standard Methods for the Examination of Water and Wastewater by the American Public Health Association-American Water Works Association-Water Pollution Control Federation (APHA-AWWA-WPCF) or Methods for Chemical Analyses of Water and Wastes by the U.S. Environmental Protection Agency (EPA).

ENVIRONMENTAL MANAGEMENT PLAN

- 9 The Permittee shall do the following in accordance with the Environmental Monitoring Plan (EMP) received at the District December 5, 2003 and January 5, 2004. The monitoring plan shall also provide for the following:

- A. By November 1, 2004, install the proposed staff gage, District ID No. 50, Permittee ID No. SG-1, and report measurement of water levels, as indicated in the table below. The staff gage shall be surveyed and referenced to a vertical datum and copies of the surveys shall be provided with the first monthly data report. The staff gage shall be installed so as to be able to monitor water levels during most water level conditions. Water levels shall be recorded and reported to the Permit Data Section, Records and Data Department, (on District forms) on or before the tenth day of the following month. All data must be referenced to a vertical datum. The frequency of recording may be modified by the Regulation Department Director, Resource Regulation, as necessary to ensure the protection of the resource.

<u>District ID No.</u>	<u>Permittee ID No.</u>	<u>Description / Water Body / Wetland / Location</u>	<u>Recording Frequency</u>
50	SG-1	Staff Gage in Section 15 Lake	Twice per Month

To the maximum extent possible, water levels shall be recorded as indicated in the following Water Level Recording Timetable:

Monthly Same weeks of each month

- B. A staff gage maintenance program shall be initiated, and shall be ongoing for the life of the permit. This program shall be undertaken to insure the retrieval and reporting of accurate water level data.

- C. In May and October of each year, the Permittee shall perform wetland assessments of Section 15 Lake as indicated in the EMP received at the District December 5, 2003. The reports on the assessments shall be included in the Annual Report required by Item E. below. The wetland assessments shall include but not be limited to the following:
1. Quantitative and qualitative vegetative and faunal assessments of Section 15 Lake, including the genus and species names for all vegetation and fauna;
 2. Photographic documentation of the transect area in the lake.
- D. If environmental impacts are observed, the Permittee shall within 30 days submit for District approval, a proposed mitigation plan to alleviate the observed impacts. The mitigation plan shall be implemented immediately after District approval.
- E. By April 1 of each year, the Permittee shall submit an annual report on the water level monitoring, the environmental monitoring and assessments, and the water management procedures performed and utilized for the previous calendar year. The report must be signed and sealed by a qualified professional and shall include, but not be limited to, the following:
1. Recent aerial maps of the Permittee's property and surrounding area with the following indicated:
 - a) North arrow
 - b) Scale designation,
 - c) Section, Township and Range lines;
 - d) The owned property boundaries,
 - e) The location of all withdrawal points labeled with District ID Nos.;
 - f) The location of all monitoring points labeled with District ID Nos.;
 - g) The outline of Section 15 Lake;
 2. Analysis of all water level data collected for the previous calendar year from the staff gage in Section 15 Lake, the water level data obtained for District Floridan Monitor Well Sites 9 and 425, and the rainfall data obtained from District Site 402. The analysis shall include the following:
 - a) Graphs for all water level monitoring type stations in all directions around the actively dewatered quarry area;
 - b) An assessment of trends in water levels;
 - c) An explanation of how the water levels at the monitoring stations relate to the pumping distribution of this wellfield;
 3. Analysis of the period of record flow in Rainbow Springs as it relates to the incremental increases in withdrawals for this permit, including a graph of the spring flows and pumping over time.
10. A descriptive report on the environmental assessments made during the previous calendar year, which includes an analysis of how those assessments relate to the water level analysis.


WATER CONSERVATION

11. The Permittee shall begin carrying out the provisions of its District approved conservation plan received June 17, 2005, upon receipt of this permit. The Permittee shall continue to develop, improve upon, and expand the water conservation programs. The following specific improvements shall be made by the Permittee:
- The Permittee shall investigate supply of reclaimed water to urban landscape and golf course areas within the service area.
12. By April 1 of each year, the Permittee shall submit an annual water conservation report for the preceding calendar year. The report shall identify the average per capita use rate within the service area for the previous calendar year, and report on the activities and effectiveness of each element of the conservation plan. The report shall include the following:
- A. An analysis of the per capita use rate for the previous year as it would relate to the residential population for that year.

- B. An analysis of the progress made for conversion of existing urban landscape to drought tolerant landscape that requires little or no irrigation.
- C. An analysis of the reuse water supplied to urban landscape and golf course areas that were previously either supplied with potable water from this utility for irrigation, or from wells not owned by the Permittee. The analysis shall include an accounting of the total potable uses and urban irrigation uses, as they would relate to the per capita use rate for the population of the service area.
- D. A map of the areas served with reuse water from the Utility with the existing reuse lines and served locations shown.
- E. An explanation of compliance with water shortage restrictions within the service area. The success of education efforts to cause voluntary compliance shall be addressed, and statistics shall be provided from the County and local governments regarding enforcement of water shortage restrictions during the previous calendar year for the service area, including the number of warnings and citations issued in the Utility's service area.

STANDARD CONDITIONS:

1. The Permittee shall comply with the Standard Conditions attached hereto, incorporated herein by reference as Exhibit "A" and made a part hereof



Authorized Signature
SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

40D-2
Exhibit "A"
WATER USE PERMIT CONDITIONS

STANDARD CONDITIONS

1. If any of the statements in the application and in the supporting data are found to be untrue and inaccurate, or if the Permittee fails to comply with all of the provisions of Chapter 373, F.S., Chapter 40D, or the conditions set forth herein, the Governing Board shall revoke this permit in accordance with Rule 40D-2.341, following notice and hearing.
2. This permit is issued based on information provided by the Permittee demonstrating that the use of water is reasonable and beneficial, consistent with the public interest, and will not interfere with any existing legal use of water. If, during the term of the permit, it is determined by the District that the use is not reasonable and beneficial, in the public interest, or does impact an existing legal use of water, the Governing Board shall modify this permit or shall revoke this permit following notice and hearing.
3. The Permittee shall not deviate from any of the terms or conditions of this permit without written approval by the District.
4. In the event the District declares that a Water Shortage exists pursuant to Chapter 40D-21, the District shall alter, modify, or declare inactive all or parts of this permit as necessary to address the water shortage.
5. The District shall collect water samples from any withdrawal point listed in the permit or shall require the Permittee to submit water samples when the District determines there is a potential for adverse impacts to water quality.
6. The Permittee shall provide access to an authorized District representative to enter the property at any reasonable time to inspect the facility and make environmental or hydrologic assessments. The Permittee shall either accompany District staff onto the property or make provision for access onto the property.
7. Issuance of this permit does not exempt the Permittee from any other District permitting requirements.
8. The Permittee shall cease or reduce surface water withdrawal as directed by the District if water levels in lakes fall below applicable minimum water level established in Chapter 40D-8 or rates of flow in streams fall below the minimum levels established in Chapter 40D-8.
9. The Permittee shall cease or reduce withdrawal as directed by the District if water levels in aquifers fall below the minimum levels established by the Governing Board.
10. The Permittee shall practice water conservation to increase the efficiency of transport, application, and use, as well as to decrease waste and to minimize runoff from the property. At such time as the Governing Board adopts specific conservation requirements for the Permittee's water use classification, this permit shall be subject to those requirements upon notice and after a reasonable period for compliance.
11. The District may establish special regulations for Water Use Caution Areas. At such time as the Governing Board adopts such provisions, this permit shall be subject to them upon notice and after a reasonable period for compliance.

12. The Permittee shall mitigate any adverse impact to existing legal uses caused by withdrawals. When adverse impacts occur or are imminent, the District shall require the Permittee to mitigate the impacts. Adverse impacts include:
 - A. A reduction in water levels which impairs the ability of the well to produce water;
 - B. Significant reduction in levels or flows in water bodies such as lakes, impoundments, wetlands, springs, streams or other watercourses; or
 - C. Significant inducement of natural or manmade contaminants into a water supply or into a usable portion of any aquifer water body.
13. The Permittee shall mitigate any adverse impact to environmental features or offsite land uses as a result of withdrawals. When adverse impacts occur or are imminent, the District shall require the Permittee to mitigate the impacts. Adverse impacts include:
 - A. Significant reduction in levels or flows in water bodies such as lakes, impoundments, wetlands, springs, streams or other watercourses;
 - B. Sinkholes or subsidence caused by reduction in water levels.
 - C. Damage to crops and other vegetation causing financial harm to the owner; and
 - D. Damage to the habitat of endangered or threatened species.
14. When necessary to analyze impacts to the water resource or existing users, the District shall require the Permittee to install flow metering or other measuring devices to record withdrawal quantities and submit the data to the District.
15. A District identification tag shall be prominently displayed at each withdrawal point by permanently affixing the tag to the withdrawal facility.
16. The Permittee shall notify the District within 30 days of the sale or conveyance of permitted water withdrawal facilities or the land on which the facilities are located.
17. All permits issued pursuant to these Rules are contingent upon continued ownership or legal control of all property on which pumps, wells, diversions or other water withdrawal facilities are located.
18. The annual average daily withdrawal quantity is determined by calculating the total quantity of water to be withdrawn over a 1-year period, divided by 365 days, which results in a gallons per day (gpd) quantity pursuant to Basis of Review, Section 3.2, Permitted Withdrawal Quantities. This is a running 12-month average, whereby each month the annual average daily quantity is recalculated based on the previous 12-month pumpage.



Jeb Bush
Governor

Department of Environmental Protection 4

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

David B. Struhs
Secretary

January 30, 2003

In the Matter of an
Application for Permit by:

Rainbow Springs Utilities, L.C.
Lowell Smallridge, Agent
P.O. Box 99
Dunnellon, FL 34430

Project: Rainbow Springs Supply Well # 18
Permit No.: 0129484-005-WC/20
Rainbow Springs Utilities, PWS No.: 6422679
County: Marion

NOTICE OF PERMIT ISSUANCE

Enclosed is Permit Number 0129484-005-WC/20 to construct a water distribution system, issued pursuant to Section(s) 403.087(1), Florida Statutes (F.S.).

A person whose substantial interests are affected by this permit may petition for an administrative proceeding (hearing) in accordance with Section 120.57, F.S. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Tallahassee, Florida 32399-3000, within 14 days of receipt of this Permit. Petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. Failure to file a petition within this time period shall constitute a waiver of any right such person may have to request an administrative determination (hearing) under Section 120.57, F.S.

The Petition shall contain the following information;

- (a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department Permit File Number and the county in which the project is proposed;
- (b) A statement of how and when each petitioner received notice of the Department's action or proposed action;
- (c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action;
- (d) A statement of the material facts disputed by Petitioner, if any;
- (e) A statement of facts which petitioner contends warrant reversal or modification of the Department's action or proposed action;

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PERMITTEE: Rainbow Springs Utilities, L.C.

PERMIT No.: 0129484-005-WC/20

PROJECT: Rainbow Springs Supply Well # 18

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


If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this permit. Persons whose substantial interests will be affected by any decision of the Department with regard to the application have the right to petition to become a party to the proceeding. The petition must conform to the requirements specified above and be filed (received) within 14 days of receipt of this notice in the Office of General Counsel at the above address of the Department. Failure to petition within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, F.S., and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 28-5.207, F.A.C.

This permit is final and effective on the date filed with the Clerk of the Department unless a petition is filed in accordance with the above paragraphs or unless a request for extension of time in which to file a petition is filed within the time specified for filing a petition and conforms to Rule 62-103.070, F.A.C. Upon timely filing of a petition or a request for an extension of time this permit will not be effective until further Order of the Department.

When the Order (Permit) is final, any party to the Order has the right to seek judicial review of the Order pursuant to Section 120.68, F.S., by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate procedure, with the Clerk of the Department in the Office of General Counsel, 3900 Commonwealth Boulevard, Tallahassee, Florida 32399-3000; and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed within 30 days from the date the Final Order is filed with the Clerk of the Department.

Executed in Tampa, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION
DRINKING WATER PROGRAM


Timothy J. Parker, P.E.
Water Facilities Administrator
Southwest District

TJP/sk

PERMITTEE: Rainbow Springs Utilities, L.C.
PROJECT: Rainbow Springs Supply Well # 18

PERMIT NO.: 0129484-005-WC/20

CERTIFICATE OF SERVICE

This is to certify that this NOTICE OF PERMIT and all copies were mailed before the close of business on 1-30-03 to the listed persons.

Clerk Stamp

FILING AND ACKNOWLEDGMENT

FILED, on this date, pursuant to §120.52, Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

Helene Steerley 1-30-03
(Clerk) (Date)

Enclosure

cc: Chuck Pigeon, P.E., [Berryman & Henigar]



Department of Environmental Protection

Jeb Bush
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

David B. Struhs
Secretary

PERMITTEE
Rainbow Springs Utilities, L.C.
P.O. Box 99
Dunnellon, FL 34430

Attn: Lowell Smallridge
Agent

PERMIT/CERTIFICATION
PWS ID. No.: 6422679
Permit Number: 0129484-005-WC/20
Date of Issue: January 30, 2003
Expiration Date: January 29, 2005
County: Marion
Lat/Long: _____
Sect/Town/Range: 13 / 16 / 18
Project: Rainbow Springs Supply Well # 18

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rule(s) 62-555. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents, attached hereto or on file with the department and made a part hereof and specifically described as follows:

Construction of a 157 foot deep, 12-inch public supply well with a 25 hp, 1000 gpm pump operating at 61 ft of tdh, associated appurtenances and approximately 480-feet of 10-inch raw water main. Rainbow Springs Utilities WTP will have a design maximum day capacity of 2.38 MGD. The construction is to be in accordance with engineering drawings and related documents prepared by Chuck Pigeon, P.E., [Berryman & Henigar].

Location: SW 196th Avenue Road, East of US 41, in Marion County, Florida

Specific Conditions

1. All construction must be in accordance with this permit. The Department must be notified in writing of any proposed changes to be made to the permitted project. Changes in a permitted project may only be made upon the prior written approval and consent of the Department pursuant to F.A.C. Rule 62-555.530(2).
2. Permitted construction or alteration of public water supply systems must be supervised during construction by a professional engineer registered in the State of Florida. The permittee must retain the service of an engineer registered in the State to observe that construction of the project is in accordance with the engineering plans and specifications as submitted in support of the application for this permit.
3. Permitted construction or alteration of a public water system may not be placed into service until a letter of clearance has been issued by this Department.

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4. A letter of clearance may be issued once the following items have been submitted:
 - a. Complete and fully executed form Certification of Construction Completion and "Request for a Letter of Release to Place a Public Water Facility into Service", DEP Form 62-555.900(9);
 - b. Copies of satisfactory bacteriological analyses of water taken on two consecutive days from the connection point of the proposed raw water main to the existing raw water main;
 - c. Copy of a satisfactory pressure test of the raw water main performed in accordance with AWWA C-600 and/or C-605 Standard;
 - d. Certification by the professional engineer that the record drawings for the components are adequate and indicate all deviation from the construction permit and approved plans and specifications; and
 - e. Statements by the permittee and the ultimate owner of the components, if different, certifying that record drawings are available for review at a specified location or the submittal of a copy of said drawing if there has been any deviation from the permit and approved plans and specification.
 - f. Copy of a satisfactory bacteriological survey of the well conducted once a day for at least twenty consecutive work days and in accordance with the procedure set forth in F.A.C. Rule 62-555.315.
5. The permittee must instruct the engineer of record to request system clearance from the Department within thirty (30) days of completion of construction, testing and disinfecting the system. Bacteriological samples for clearance of water lines will not be accepted for clearance if the analysis date for any of the samples is over thirty days before the date that clearance is requested. The bacteriological well survey will not be acceptable for clearance of the well if the analysis date for the last sample in the series is over thirty days before the date that clearance is requested.
6. The permittee must insure that only chemicals which have been certified to be in conformance with ANSI/NSF Standard 60 are used in the treatment of the water.
7. The permittee must provide responsible operation personal in accordance with the Chapters 62-602 and 62-699, F.A.C.
8. Compliance monitoring:
 - a. The drinking water must be analyzed for chemical contaminates to the degree and frequency required pursuant to F.A.C. Rule 62-550.

PERMITTEE: Rainbow Springs Utilities, L.C.
PROJECT: Rainbow Springs Supply Well # 18

PERMIT No.: 0129484-005-WC/20


- b. The drinking water must be analyzed for coliform bacteria every month. At least one representative raw sample and distribution samples in numbers proportionate to the population served as outlined in F.A.C. Rule 62-550.518 must be collected.
 - c. All water quality analyses must be performed by a laboratory certified by the Department of Health and Rehabilitative Services and the results must be reported in the format approved by the Department.
9. The maximum day demand on the system for any twenty-four hour period may not exceed the permitted capacity of the water treatment plant. The permittee must insure that the capacity of the treatment plant and the distribution system facilities including pumps and pipes are increased as system demand is increased in order to maintain adequate capacity in the treatment plant and in order to maintain a minimum pressure of 20 psi throughout the distribution system.
 10. Reclaimed water land application areas must not be located within the setback distance from potable water supply wells established in Chapter 62-610, F.A.C.
 11. Other sanitary hazards as defined in Rule 62-550.200, F.A.C., must not be located within 100 feet of the potable water supply well.
 12. The supplier of water must maintain a minimum free chlorine residual of 0.2 mg/l or its equivalent throughout the distribution system at all times.
 13. The supplier of water must maintain a minimum pressure of 20 psi throughout the distribution system.
 14. If historical or archaeological artifacts, such as Indian canoes, are discovered at any time within the project site the permittee shall immediately notify the district office and the Bureau of Historic Preservation, Division of Archives, History and Records Management, R.A. Gray Building, Tallahassee, Florida 32301, Telephone number (850) 487-2073.
 15. The permittee must operate and maintain this facility in accordance with the requirements of F.A.C. Rule 62-555.350.
 16. The permittee shall be aware of and operate under the attached "General Conditions". General conditions are binding upon the permittee and enforceable pursuant to Chapter 403, Florida Statutes.
 17. Where required by Chapter 471 (P.E.) or Chapter 492 (P.G.), Florida Statutes, applicable portions of permit applications and supporting documents which are submitted to the Department for public record shall be signed and sealed by the professional(s) who prepared them.
 18. This document satisfies Drinking Water permitting requirements only and does not authorize construction or operation of this facility prior to obtaining all other permits required by local, State and Federal agencies.

PERMITTEE: Rainbow Springs Utilities, L.C.
PROJECT: Rainbow Springs Supply Well # 18

PERMIT No.: 0129484-005-WC/20

19. All documents submitted pursuant to the conditions of this permit shall be accompanied by a cover letter stating the name and date of the document submitted, the file number and project name of the permit involved, and the number(s) of the specific condition(s) affected. All submittals shall be signed by the permittee or the permittee's authorized representative whose name is on file with the Department and shall be forwarded to the Southwest District Office, Drinking Water Compliance/Enforcement Section, Department of Environmental Protection, 3804 Coconut Palm Drive, Tampa, Florida 33619.
20. If unanticipated delays will cause project completion to extend beyond the expiration date of this permit, the permittee shall submit to the Department a request to extend the expiration date of this permit including the appropriate processing fee. This request shall specify the reasons for the delay and shall be submitted to the Department for approval at least sixty (60) days prior to the expiration date of this permit.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION
DRINKING WATER PROGRAM



Timothy J. Parker, P.E.
Water Facilities Administrator
Southwest District

TJP/sk

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ATTACHMENT - GENERAL CONDITIONS

1. The terms, conditions, requirements, limitations and restrictions set forth in this permit, are "permit conditions" and binding and enforceable pursuant to Sections 403.141, 403.861, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
 2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
 3. As provided in subsections 403.087(6) and 403.722(5), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, State, or local laws or regulations. This permit is not a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in this permit.
 4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgement of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinions as to title.
 5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.
 6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the permittee to achieve compliance with the conditions of this permit, are required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.
 7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel; upon presentation of credentials or other documents as may be required by law and at reasonable times, access to the premises where the permitted activity is located or conducted to:
 - (a) Have access to and copy any records that must be kept under conditions of the permit;
 - (b) Inspect the facility, equipment, practices, or operations regulated or required under this permit; and
 - (c) Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.
- Reasonable time may depend on the nature of the concern being investigated.
8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:
 - (a) A description of and cause of noncompliance; and
 - (b) The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance. The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Sections 403.111 and 403.73, F.S. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.

10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.

11. This permit is transferable only upon Department approval in accordance with Rule 62-4.120 and 62-730.300, Florida Administrative Code, as applicable. The permittee shall be liable for any noncompliance of the permitted activity until the transfer is approved by the Department.

12. This permit or a copy thereof shall be kept at the work site of the permitted activity.

13. This permit also constitutes:

- (a) Determination of Best Available Control Technology (BACT);
- (b) Determination of Prevention of Significant Deterioration (PSD);
- (c) Certification of compliance with State Water Quality Standards (Section 401, PL 92-500); and
- (d) Compliance with New Source Performance Standard.

14. The permittee shall comply with the following:

(a) Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department; and

(b) The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurements, report, or application unless otherwise specified by the Department rule.

Records of monitoring information shall include:

1. the date, exact place, and time of sampling or measurements;
2. the person responsible for performing the sampling or measurements;
3. the dates analyses were performed;
4. the person responsible for performing the analyses;
5. the analytical techniques or methods used; and
6. the results of such analysis.

15. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee become aware the relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.



Department of Environmental Protection

RECEIVED

NOV 15 1996

BERRYMAN & HENIGAR
OCALA OFFICE

Lawton Chiles
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

Virginia B. Wetherell
Secretary

November 13, 1996

Lowell Smallridge, Vice President
Rainbow Springs Utilities, L.C.
P.O. Box 99
Dunnellon, FL 34430

Marion County
Subject: Rainbow Springs WTP Expansion
PATS No. WC42-283546
PWS-ID No. 6422679

Dear Mr. Smallridge:

This acknowledges receipt of a certified request for letter of release to place the subject water plant expansion into service [DER Form 62-555.910(9)] and supportive documentation on November 4, 1996. This project was approved for construction under the permit application tracking system (PATS) number described above, issued May 21, 1996.

Your engineer of record has certified that the subject facilities have been completed to the extent noted on signed and sealed October 31, 1996 "record drawings". These facilities were cleared bacteriologically in accordance with Rule 62-555.345 Florida Administrative Code with submission of satisfactory results for samples collected on October 16, 17, 23, and 24, 1996.

Based on this information, we are issuing this letter of release to place into service the water plant expansion for the subject facility.

Changes in applicable laws and regulations which affect operating procedures and/or quality standards must be complied with. In addition, we wish to call your attention to the requirements that no sanitary hazards, regardless of how slight, shall be placed within 100 feet of public water supply well and under certain circumstances, this distance can be increased.

Should you have any questions please contact Cece Featheringill at (813) 744-6100, ext. 319 or write to me at the above address.

Sincerely,

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

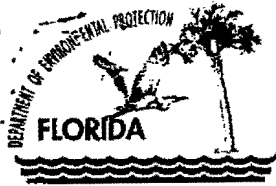
PLR/cfp

cc: Marion CPHU

Chuck A. Pigeon, P.E.

"Protect, Conserve and Manage Florida's Environment and Natural Resources"

Printed on recycled paper.



Department of Environmental Protection

RECEIVED
MAY 23 1996

Lawton Chiles
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

BERNMAN & HENIGAR
DCALA OFFICE
Virginia B. Wetherell
Secretary

NOTICE OF PERMIT

May 21, 1996

Lowell Smallridge, Vice President
Rainbow Springs Utilities, L.C.
Post Office Box 99
Dunnellon, FL 34430

Re: Rainbow Springs WTP Expansion
Permit No. WC42-283546
PWS-ID No. 6422679

Dear Mr. Smallridge:

Enclosed is the above referenced permit to construct a modification to an existing community public water system, issued pursuant to Section(s) 403.087(1), Florida Statutes.

A person whose substantial interests are affected by this permit may petition for an administrative proceeding (hearing) in accordance with Section 120.57, Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400, within 14 days of receipt of this Permit. Petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. Failure to file a petition within this time period shall constitute a waiver of any right such person may have to request an administrative determination (hearing) under Section 120.57, Florida Statutes.

The Petition shall contain the following information;

- (a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department Permit File Number and the county in which the project is proposed;
- (b) A statement of how and when each petitioner received notice of the Department's action or proposed action;
- (c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action;
- (d) A statement of the material facts disputed by Petitioner, if any;
- (e) A statement of facts which petitioner contends warrant reversal or modification of the Department's action or proposed action;

"Protect, Conserve and Manage Florida's Environment and Natural Resources"

Printed on recycled paper.

(f) A statement of which rules or statutes petitioner contends require reversal or modification of the Department's action or proposed action; and

(g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.

If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this permit. Persons whose substantial interests will be affected by any decision of the Department with regard to the application have the right to petition to become a party to the proceeding. The petition must conform to the requirements specified above and be filed (received) within 14 days of receipt of this notice in the Office of General Counsel at the above address of the Department. Failure to petition within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, F.S., and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 28-5.207, F.A.C.

This permit is final and effective on the date filed with the Clerk of the Department unless a petition is filed in accordance with the above paragraphs or unless a request for extension of time in which to file a petition is filed within the time specified for filing a petition and conforms to Rule 62-103.070, F.A.C. Upon timely filing of a petition or a request for an extension of time this permit will not be effective until further Order of the Department.

When the Order (Permit) is final, any party to the Order has the right to seek judicial review of the Order pursuant to Section 120.68, Florida Statutes, by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate procedure, with the Clerk of the Department in the Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400; and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed within 30 days from the date the Final Order is filed with the Clerk of the Department.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION
DRINKING WATER PROGRAM

YA/dmp

cc: Marion CPHU
Chuck A. Pigeon, P.E.

PERMITTEE: Lowell Smallridge
PERMIT NO.: WC42-283546

Page Three

CERTIFICATE OF SERVICE

This is to certify that this NOTICE OF PERMIT and all copies were mailed before the close of business on 5-21-96 to the listed persons.

FILING AND ACKNOWLEDGEMENT
FILED, on this date, pursuant
to §120.52(10), Florida
Statutes, with the designated
Department Clerk, receipt of
which is hereby acknowledged.

Dorothy Pelham 5-21-96



Department of Environmental Protection

Lawton Chiles
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

Virginia B. Wetherell
Secretary

PERMITTEE
Rainbow Springs Utilities, L.C.
Post Office Box 99
Dunnellon, FL 34430

Attn: Lowell Smallridge
Vice-President

Permit/Certification
ID. Number: 6422679
Permit Number: WC42-283546
Date of Issue: 5/21/96
Expiration Date: 5/21/98
County: Marion
Lat/Long: 29°/05'/19"
82°/26'/43"
Sect/Town/Rge: 13/16/18
Project: Rainbow Springs
WTP Expansion

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rule(s) 62-555. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents, attached hereto or on file with department and made a part hereof and specifically described as follows:

Construction of a modification to an existing community public water system to expand the permitted capacity. The construction is to be in accordance with engineering drawings and related documents prepared by Berryman & Henigar and is to include the following:

One 500,000 gallon concrete ground storage tank;

One 530 GPM, 40 HP centrifugal jockey pump;

Two 950 GPM, 60 HP centrifugal high service pumps;

Reconditioning of an existing dual gas chlorination system to be equipped with scale, automatic switchover and loss of chlorination capability alarm;

Removal of an existing 7,500 gallon hydropneumatic tank and
Yard piping

The permitted capacity is hereby increased from 1.656 MGD to 2.38 MGD (maximum day).

Location: Two miles north of the city of Dunnellon on US 41 in Marion County.

PERMITTEE

Lowell Smallridge

Rainbow Springs Utilities, L.C.

Permit No.: WC42-283546

Specific Conditions

1. Within ninety (90) days from the date of issuance of this permit, the permittee must submit a copy of the utility's written auxiliary power plan which details how it meets the requirements of F.A.C. Rule 62-555.320.

2. All construction must be in accordance with this permit. The Department must be notified in writing of any proposed changes to be made to the permitted project. Changes in a permitted project may be made only on prior written approval and consent of the Department pursuant to F.A.C. Rule 62-555.530(2).

3. The finished water meter located at the water treatment plant must be read at approximately the same time each day, seven days a week. The actual meter reading and the total amount of water pumped to distribution within the past twenty-four (24) hour period must be recorded in the water treatment plant log. The water meter may be read by either the certified water treatment plant operator, the owner, or a representative of the owner.

4. The maximum day demand on the system for any twenty-four hour period may not exceed the permitted capacity of the water treatment plant. The permittee must insure that the capacity of the treatment plant and the distribution system facilities including pumps and pipes are increased as system demand is increased in order to maintain adequate capacity in the treatment plant and in order to maintain a minimum pressure of 20 psi throughout the distribution system.

5. Permitted construction or alteration of public water supply systems must be supervised during construction by a professional engineer registered in the State of Florida. The permittee must retain the service of an engineer registered in the State to observe that construction of the project is in accordance with the engineering plans and specifications as submitted in support of the application for this permit.

6. Permitted construction or alteration of a public water system may not be placed into service until a letter of clearance has been issued by this Department.

7. A letter of clearance may be issued once the following items have been submitted:

- a. Complete and fully executed form "Request for a Letter of Release to Place Water Supply System into Service", DEP Form 62-555.910(9);

PERMITTEE

Lowell Smallridge

Rainbow Springs Utilities, L.C.

Permit No.: WC42-283546

- b. Copies of satisfactory bacteriological analyses of water taken on two consecutive days from the above ground storage tank, and at one representative point downstream of the high service pumps (chlorine residual readings must be recorded for each water sample or the analysis will not be acceptable for use in clearance of the system); and
 - c. List of all chemicals to be used in the treatment of the water which contains the brand name of the chemical, manufacturer's name and address, location of plant producing the chemical, maximum usage in mg/l, and documentation that each chemical has been certified to be in conformance with ANSI/NSF Standard 60;
 - d. The brand name of each paint or coating used on all surfaces that comes into contact with the water, manufacturer's name and address, location of plant producing the paint or coating, and documentation that the each paint or coating has been certified to be in conformance with ANSI/NSF Standard 61 as being suitable for the use to which it is being made. (The use of a paint or coating which has not been certified to be in conformance with the ANSI/NSF Standard or which has been certified but the certification does not cover the use to which it is being made is prohibited and the equipment or storage structure coated with this material will not be cleared for service)
 - e. Final "As-Built" Construction drawings signed and sealed by a professional engineer of record.
8. The permittee must instruct the engineer of record to request system clearance from the Department within thirty (30) days of completion of construction, testing and disinfecting the system. Bacteriological samples for clearance of water lines will not be accepted for clearance if the analysis date for any of the samples is over thirty days before the date that clearance is requested. The bacteriological well survey will not be acceptable for clearance of the well if the analysis date for the last sample in the series is over thirty days before the date that clearance is requested.
9. The permittee must insure that only chemicals which have been certified to be in conformance with ANSI/NSF Standard 60 are used in the treatment of the water.
10. The permittee must provide responsible operation personal in accordance with the Chapters 62-602 and 62-699, F.A.C.

PERMITTEE

Lowell Smallridge

Rainbow Springs Utilities, L.C. Permit No.: WC42-283546

11. Your facility has been classified as a Category V, Class C water treatment plant. You must provide staffing by a Class C or higher operator 5 visits /week an one weekend visit.

The lead or chief operator must be Class C or higher.

12. Complete, accurate, and timely monthly operation reports must be prepared by the certified water treatment plant operator using the form required pursuant to F.A.C. Rule 62-555.910 and submitted to the Department. The permittee must insure that all operation reports are submitted to the Department no later than fifteen (15) days after the month of record.

13. Compliance monitoring:

- a. The drinking water must be analyzed for primary and secondary contaminants listed in F.A.C. Rules 62-550.310 and .320 to the degree and frequency required pursuant to F.A.C. Rule 62-550.
- b. The drinking water must be analyzed for coliform bacteria every month. At least one representative raw sample and distribution samples in numbers proportionate to the population served as outlined in F.A.C. Rule 62-550.518 must be collected.
- c. The drinking water must be analyzed for the Group I and Group II Unregulated Organic Contaminants to the degree and frequency required pursuant to F.A.C. Rule 62-550.
- d. All water quality analyses must be performed by a laboratory certified by the Department of Health and Rehabilitative Services and the results must be reported in the format approved by the Department.

14. The supplier of water must maintain a minimum free chlorine residual of .2 mg/l or its equivalent throughout the distribution system at all times.

15. The supplier of water must maintain a minimum pressure of 20 psi throughout the distribution system.

16. If historical or archaeological artifacts, such as Indian canoes, are discovered at any time within the project site the permittee shall immediately notify the district office and the Bureau of Historic Preservation, Division of Archives, History and Records Management, R.A. Gray Building, Tallahassee, Florida 32301, Telephone number (904) 487-2073.

17. The permittee must operate and maintain this facility in accordance with the requirements of F.A.C. Rule 62-555.350.

PERMITTEE

Lowell Smallridge
Rainbow Springs Utilities, L.C.

Permit No.: WC42-283546

18. The permittee shall be aware of and operate under the attached "General Conditions". General conditions are binding upon the permittee and enforceable pursuant to Chapter 403, Florida Statutes.

19. Where required by Chapter 471 (P.E.) or Chapter 492 (P.G.), Florida Statutes, applicable portions of permit applications and supporting documents which are submitted to the Department for public record shall be signed and sealed by the professional(s) who prepared them.

20. All documents submitted pursuant to the conditions of this permit shall be accompanied by a cover letter stating the name and date of the document submitted, the file number and project name of the permit involved, and the number(s) of the specific condition(s) affected. All submittals shall be signed by the permittee or the permittee's authorized representative whose name is on file with the Department and shall be forwarded to the Southwest District Office, Drinking Water Compliance/Enforcement Section, Department of Environmental Protection, 3804 Coconut Palm Drive, Tampa, Florida 33619-8218.

21. If unanticipated delays will cause project completion to extend beyond the expiration date of this permit, the permittee shall submit to the Department a request to extend the expiration date of this permit including the appropriate processing fee. This request shall specify the reasons for the delay and shall be submitted to the Department for approval at least sixty (60) days prior to the expiration date of this permit.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION



Michael S. Hickey, P.E.
Water Facilities Administrator
Southwest District

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations and restrictions set forth in this permit, are "permit conditions" and are binding and enforceable pursuant to Sections 403.141, 403.727, or 403.859 through 403.861, F.S. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
3. As provided in subsections 403.087(6) and 403.722(5), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations. This permit is not a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in this permit.
4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.
6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the permittee to achieve compliance with the conditions of this permit, are required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.
7. The permittee, by accepting this permit, specifically agrees

to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at reasonable times, access to the premises where the permitted activity is located or conducted to:

- (a) Have access to and copy any records that must be kept under conditions of the permit;
- (b) Inspect the facility, equipment, practices, or operations regulated or required under this permit; and
- (c) Sample or monitor any substances or parameters at any location reasonable necessary to assure compliance with this permit or Department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:

- a. A description of and cause of noncompliance; and
- b. The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance. The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Section 403.111 and 403.73, F.S. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.

10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules. A reasonable time for compliance with a new or amended surface water quality standard, other than those standards addressed in Rule 17-302.500, shall include a reasonable time to obtain or be denied a mixing zone for the new or amended standard.

11. This permit is transferable only upon Department approval in accordance with Rule 17-4.120 and 17-730.300 F.A.C., as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.

12. This permit or a copy thereof shall be kept at the work site of the permitted activity.

13. This permit also constitutes Certification of Compliance with State Water Quality Standards (Section 401, PL 92-500).

14. The permittee shall comply with the following:

a. Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.

b. The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.

c. Records of monitoring information shall include:

1. the date, exact place, and time of sampling or measurements;
2. the person responsible for performing the sampling or measurements;
3. the dates analyses were performed;
4. the person responsible for performing the analyses;
5. the analytical techniques or methods used; and
6. the results of such analyses.

15. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware the relevant facts were not submitted or

were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.

EXHIBIT "4"

REGISTERED PROFESSIONAL ENGINEER STATEMENT

DOCUMENT NUMBER-DATE

09345 NOV 12 9

FPSC-COMMISSION CLERK

**RAINBOW SPRINGS UTILITIES, LC
 MASTER SEWER PLAN
 WASTEWATER TREATMENT, DISPOSAL AND TRANSMISSION FACILITIES
 2010 CAPITAL COST ESTIMATE SUMMARY**

WASTEWATER TREATMENT FACILITY EXPANSION

PHASE I, II and III (existing 0.230 MGD, Class 3)		
PHASE IV (0.240 TO 0.275 MGD Class 3 Restricted)	\$	703,260
PHASE V (0.275 TO 0.480 MGD Class 1 Public)	\$	5,054,987
PHASE VI (0.480 TO 0.650 MGD Class 1 Public)	\$	1,264,501
ON-SITE SPRAYFIELD EXPANSION to 0.275 MGD	\$	432,330
EXISTING RBS GOLF COURSE RECLAIMED WATER SYSTEM	\$	2,219,493
TRACT "F" OFF SITE SEWER / RECLAIMED WATER	\$	1,672,595
TRACT "H" OFFSITE SEWER TRANSMISSION SYSTEM	\$	1,252,360
TRACT "B-B" OFFSITE SEWER SYSTEM INTERCONNECT	\$	233,877
MASTER SEWER PUMP STATION (LS#11) EXPANSION	\$	175,000
TOTAL CAPITAL COST ESTIMATE	\$	13,008,403.00

Notes:

1. The above listed summary of costs are based on 2010 estimated construction cost values and no inflation has been applied for construction starts after 2010.
2. Cost estimates do not include easement acquisition costs or financing costs.
3. Above estimates have been prepared based on planning level design and have been estimated without detailed preliminary design or geotechnical investigation.
4. Construction cost for each component listed above are based on one phase of construction per component and no incremental construction stages.

Prepared: December 9, 2009

Page 1 of 1

Revised: July 14, 2010

Print Date: 7/16/2010

File: T:\102 RBS Utilis\04 Master Plan\Master Sewer plan\EXCEL sheets\2010-06-14_Estimates\SUMMARY OF PHASED SEWER COST_07-14-10.xls

PIGEON-ROBERTS and ASSOCIATES, LLC
 ENGINEERS- PLANNERS- SURVEYORS MAPPERS

**RAINBOW SPRINGS UTILITIES, LC
MASTER SEWER PLAN**

2010 CAPITAL COST ESTIMATE SUMMARY

WASTEWATER TREATMENT FACILITY EXPANSION

	WWTP CAPACITY 0.230 MGD DISPOSAL CAPACITY 0.230 MGD			WWTP CAPACITY 0.275 MGD DISPOSAL CAPACITY 0.275 MGD			WWTP CAPACITY 0.480 MGD DISPOSAL CAPACITY 0.518 MGD						
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	
PHASE I, II and III (existing 0.230 MGD, Class 3)													
PHASE IV (0.240 TO 0.275 MGD Class 3 Restricted)	\$ 703,260	70,000	325,000	308,260									
PHASE V (0.275 TO 0.480 MGD Class 1 Public)	\$ 5,054,667			\$ 145,000	\$ 180,000	\$ 1,770,161	\$ 2,959,826						
PHASE VI (0.480 TO 0.650 MGD Class 1 Public)	\$ 1,264,501									\$ 60,000	\$ 600,000	\$ 604,501	
ON-SITE SPRAYFIELD EXPANSION to 0.275 MGD	\$ 432,330	\$ 65,000	\$ 180,000	\$ 187,330									
EXISTING RBS GOLF COURSE RECLAIMED WATER SYSTEM	\$ 2,219,493			\$ 80,000	\$ 160,000	\$ 1,250,000	\$ 729,493						
TRACT "F" OFF SITE SEWER / RECLAIMED WATER	\$ 1,872,595			\$ 160,000	\$ 750,000	\$ 782,595							
TRACT "H" OFFSITE SEWER TRANSMISSION SYSTEM	\$ 1,252,360						\$ 110,000	\$ 550,000	\$ 592,360				
TRCAT "B-B" OFFSITE SEWER SYSTEM INTERCONNECT	\$ 233,877							\$ 233,877					
MASTER SEWER PUMP STATION (LS 11) EXPANSION	\$ 175,000	\$ 35,000	\$ 140,000										
TOTAL CAPITAL COST ESTIMATE	\$ 13,008,403.00	\$ 170,000	\$ 645,000	\$ 890,580	\$ 1,090,000	\$ 3,782,756	\$ 3,799,319	\$ 550,000	\$ 826,237	\$ -	\$ 60,000	\$ 600,000	\$ 604,501

- Notes:
1. Tract F Development planned to come on-line in 2014 with first home construction and golf course.
 2. Tract H Development planned to come on-line in 2017 with first home construction

**Engineers Estimate of Probable Construction Cost
TRACT 'H' OFF-SITE SEWER TRANSMISSION SYSTEM**

Revised Date: 07/14/2010

Description: Off-site main sewer system infrastructure to service Tract "H" at Rainbow Springs. One master sewer pump Station and 10 inch forcemain main.

ESTIMATED QUANTITY	Units	Unit Cost	EXTENSION
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General Conditions

Mobilization/Demobilization	1	LS	\$35,000.00	\$35,000.00
Construction Stakeout & As-Built	1	LS	\$25,000.00	\$25,000.00
Temporary Utilities	1	LS	\$1,000.00	\$1,000.00
FDOT Maintenance of Traffic	1	LS	\$15,000.00	\$15,000.00
Performance / Payment Bond (2.0%)	1	LS	\$19,650.62	\$19,650.62
Contingency (10%)	1	LS	\$9,565.06	\$9,565.06

Total General Conditions

\$105,215.68

Sitework

Site Clearing	1.90	AC	\$2,280.00	\$4,332.00
General Restoration	1	LS	\$15,000.00	\$15,000.00
Erosion Control / SWPPP	1	LS	\$12,500.00	\$12,500.00
Contingency(10%)	1	LS	\$3,183.20	\$3,183.20

Total Sitework

\$35,015.20

Sanitary Sewer System

4' Manhole (0-6")		EA	\$2,000.00	\$0.00
4' Manhole (6-8")		EA	\$2,300.00	\$0.00
4' Manhole (8-10")		EA	\$2,500.00	\$0.00
10" Plug Valve w/ box	2	EA	\$1,500.00	\$3,000.00
Single Service Connect		EA	\$300.00	\$0.00
Double Service Connect		EA	\$450.00	\$0.00
8" PVC (0-6")		LF	\$16.00	\$0.00
8" PVC (6-8")		LF	\$18.00	\$0.00
8" PVC (8-10")		LF	\$22.00	\$0.00
8" PVC (10-12')		LF	\$25.00	\$0.00
Jack @ Bore 12"		LF	\$150.00	\$0.00
Jack @ Bore 16"	280	LF	\$175.00	\$49,000.00
Master Lift Station (10' Diameter/triplex)		LS	\$145,000.00	\$0.00
Local Lift Station (6' Diameter/duplex)	1	LS	\$120,000.00	\$120,000.00
10" PVC San. Force Main	18,510	LF	\$28.00	\$518,280.00
12" PVC San. Force Main		LF	\$26.00	\$0.00
Air release Assembly	2	LF	\$6,500.00	\$13,000.00
Sod (15' Wide)	30,380	SY	\$2.65	\$80,507.00
Testing	1	LS	\$8,500.00	\$8,500.00
Contingency(10%)	1	LS	\$79,228.70	\$79,228.70

Total Sanitary Sewer

\$871,515.70

Engineers Estimate of Probable Construction Cost
 TRACT 'H' OFF-SITE SEWER TRANSMISSION SYSTEM

	ESTIMATED QUANTITY	Units	Unit Cost	EXTENSION
Reclaimed Water System				
10" C-900PVC Pipe, Incl. fittings		LS	\$25.00	\$0.00
10" gate valve and box		LS	\$1,800.00	\$0.00
Air release assembly		LS	\$3,500.00	\$0.00
Jack @ Bore 18"		LF	\$185.00	\$0.00
		LS	\$0.00	\$0.00
Reservoir Level Telemetry System		LS	\$6,500.00	\$0.00
Testing		LS	\$4,500.00	\$0.00
Contingency(10%)		LS	\$0.00	\$0.00
Total Reclaimed Water				\$0.00
Electric				
Underground Electric to Lift Station	1	LS	\$15,000.00	\$15,000.00
Total Electric				\$15,000.00
Total Hard Costs				\$1,026,746.58
Soft Costs				
Preliminary Design/Planning	1	LS	\$6,057.80	\$6,057.80
Surveying Services	1	LS	\$34,940.19	\$34,940.19
Engineering Services				
Sewer System design	1	LS	\$81,030.84	\$81,030.84
FDEP permitting sewer	1	LS	\$3,500.00	\$3,500.00
FDOT utility permit	1	LS	\$4,500.00	\$4,500.00
Permit fees	1	LS	\$1,000.00	\$1,000.00
Soil Borings & Testing	1	LS	\$2,500.00	\$2,500.00
Construction Administration Services	1	LS	\$20,093.43	\$20,093.43
Construction Inspections	1	LS	\$20,093.43	\$20,093.43
Final Certifications and As-Builts	1	LS	\$6,273.42	\$6,273.42
General & Administrative, Legal	1	LS	\$25,114.22	\$25,114.22
Contingency(10%)	1	LS	\$20,510.33	\$20,510.33
Total Soft Costs				\$225,613.67
Total Cost Estimate				\$1,252,360.25

Notes;

- 1) Does not include easement acquisition cost or financing cost.
- 2) This is a preliminary estimate for general planning purposes only. Costs have been estimated without detailed design or geotechnical investigation
- 3) Costs are based on 2009 estimated construction cost values with no provision for inflation.
- 4) Construction cost is based on one phase of construction and no incremental construction stages.

**OPINION OF PROBABLE CONSTRUCTION COST
RAINBOW SPRINGS UTILITIES, LC
WASTEWATER TREATMENT FACILITY EXPANSION - PHASE VI**

Description: Expand WWTP and increase capacity from 0.480 MGD to 0.650 MGD. Class I reliability for public access reuse. Add one new circular clarifiers, Add one new CCC tankage, add one filter, piping, site work, Effluent pump station upgrade, Upgrade electrical system for new loads.

ITEM	DESCRIPTION	COST
1.0	GENERAL	
1.1	MOBILIZATION & GENERAL CONDITIONS	\$ 45,000
1.2	BOND & INSURANCE	\$ 15,492
1.3	CONSTRUCTION STAKEOUT	\$ 18,000
1.4	O&M MANUALS	\$ 8,500
1.5	CONTINGENCIES (10%)	\$ 8,699
	SUB-TOTAL	\$ 95,691
2.00	SITE WORK	
2.1	DEMOLITION AND REMOVAL	\$ 15,000
2.2	EROSION CONTROL	\$ 3,500
2.3	EARTHWORK	\$ 25,000
2.4	FINISH GRADING	\$ 20,000
2.5	GRASSING	\$ 8,500
2.6	SITE LIGHTING	\$ 4,500
2.7	SIDEWALKS & MISCELANEOUS CONCRETE	\$ 8,500
2.8	CONTINGENCIES (10%)	\$ 8,500
	SUB-TOTAL	\$ 93,500
3.00	WASTEWATER TREATMENT PLANT UPGRADES	
3.1	CHLORINE CONTACT CHAMBER (TWO NEW)	
3.1.1	FOUNDATION, TANKAGE, BAFFELS, RAILS	\$ 35,000
3.1.2	EPOXY (INTERIOR PAINTING)	\$ 13,000
3.1.3	YARD PIPING	\$ 12,000
	SUB-TOTAL	\$ 60,000
3.2	CLARIFIER (ONE NEW)	
3.2.1	FOUNDATION and TANKAGE STRUCTURE	\$ 165,000
3.2.2	CLARIFIER MECHANICAL & STAIRWAY	\$ 95,000
3.2.3	YARD PIPING	\$ 35,000
3.2.4	ELECTRICAL	\$ 18,000
3.2.5	PAINTING	\$ 6,500
	SUB-TOTAL	\$ 319,500
3.3	EQUIPMENT , INSTRUMENTATION & MISCELANEOUS	
3.3.1	ELECTRICAL SYSTEMS UPGRADES	\$ 25,000
	SUB-TOTAL	\$ 25,000
3.4	RAS / WAS DUPLEX PUMP STATION	
3.4.1	PUMP (ADD ONE PUMP)	\$ 18,000
3.4.2	PIPING RECONFIGURATION	\$ 5,000
3.4.3	FLOW METER	\$ 4,800
3.4.4	ELECTRICAL	\$ 16,000
3.4.5	YARD PIPING	\$ 12,000
3.4.6	CONCRETE WORK	\$ 6,000
	SUB-TOTAL	\$ 61,800

Prepared : December 9, 2009

Revised: July 14, 2010

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PIGEON - ROBERTS ASSOCIATES, LLC
ENGINEERS-PLANNERS -SURVEYORS MAPPERS

3.5	CONTENGENCIES (10%)	\$	46,630
4.00	FILTER (ADD ONE FILTER)		
4.1	STRUCTURE	\$	180,000
4.2	EQUIPMENT	\$	115,000
4.3	YARD PIPING AND VALVES	\$	45,000
4.4	ELECTRICAL	\$	25,000
4.5	CONTINGENCIES (10%)	\$	36,500
	SUB-TOTAL	\$	401,500
	SUB-TOTAL CONSTRUCTION COST ESTIMATE	\$	1,103,621
6.00	ENGINEERING, GEOTECHNICAL AND ADMINISTRATION		
6.1	ENGINEERING (DESIGN, PERMITTING)	\$	82,772
6.2	CONSTRUCTION ADMINISTRATION	\$	33,109
6.3	SPECIAL USE ZONING	\$	-
6.4	ADMINISTRATIVE AND LEGAL COSTS	\$	20,000
6.5	PERMIT FEES AND IMPACT FEES	\$	10,000
6.6	GEOTECHNICAL INVESTIGATION	\$	15,000
	SUB-TOTAL	\$	160,880
TOTAL PROJECT COST		\$	1,264,501

Notes;

- 1) Does not include financing cost.
- 2) This is a preliminary estimate for general planning purposes only. Costs have been estimated without detailed preliminary design or geotechnical investigation
- 3) Costs are based on 2010 estimated construction cost values with no provision for inflatic
- 4) Project cost is based on one phase of construction and no incremental construction phases.
- 5) Above listed project cost does not include effluent disopsal system.

Prepared : December 9, 2009

Revised: July 14, 2010

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PIGEON - ROBERTS ASSOCIATES, LLC
ENGINEERS-PLANNERS -SURVEYORS MAPPERS

**OPINION OF PROBABLE CONSTRUCTION COST
RAINBOW SPRINGS UTILITIES, LC
WASTEWATER TREATMENT FACILITY EXPANSION - PHASE V**

Description: Expand WWTP and increase capacity from 0.275 MGD to 0.480 MGD with new oxidation ditch: High level Disinfection with filtration. Class I reliability for public access reuse to golf course. Add new headworks, Oxidation Ditch tankage, two new circular clarifiers, Add dual blower system for digesters, add two new CCC tankage with flow meter, add two filters, piping, Turbidity and Cl2 meetering, composite sampling equipment, operator office building & lab room, site work, Effluent pump station, Upgrade electrical system for new loads.

ITEM	DESCRIPTION	COST
1.0	GENERAL	
1.1	MOBILIZATION & GENERAL CONDITIONS	\$ 110,000
1.2	BOND & INSURANCE (1.5%)	\$ 42,297
1.3	CONSTRUCTION STAKEOUT	\$ 28,000
1.4	O&M MANUALS	\$ 8,500
1.5	CONTINGENCIES (10%)	\$ 18,880
	SUB-TOTAL	\$ 207,677
2.00	SITE WORK	
2.1	DEMOLITION AND REMOVAL	\$ 25,000
2.2	EROSION CONTROL	\$ 3,500
2.3	EARTHWORK	\$ 35,000
2.4	FINISH GRADING	\$ 24,000
2.5	GRASSING	\$ 16,000
2.6	WATER SYSTEM PIPING	\$ 5,500
2.7	ACCESS ROADWAY	\$ 25,000
2.8	SITE LIGHTING	\$ 5,500
2.9	SIDEWALKS & MISCELANEOUS CONCRETE	\$ 8,500
2.10	REJECT POND LINER	\$ 85,000
2.11	SIGNS	\$ 2,000
2.12	CONTINGENCIES (10%)	\$ 23,500
	SUB-TOTAL	\$ 258,500
3.00	WASTEWATER TREATMENT PLANT UPGRADES	
3.1	FLOW EQUALIZATION / SURGE TANK (EXISTING TANK CONVERSION)	
3.1.1	TANKAGE MODIFICATIONS	\$ 65,000
	SUB-TOTAL	\$ 65,000
3.2	AERATION / PROCESS TANKAGE (NEW OXIDATION DITCH)	
3.2.1	FOUNDATION, TANKAGE, BRUSHES, PIPING	\$ 1,200,000
	SUB-TOTAL	\$ 1,200,000
3.3	HEADWORKS	
3.3.1	FLOW SPLITTER BOX	\$ 30,000
3.3.2	PIPING RECONFIGURATION	\$ 25,000
3.3.3	MECHANICAL SCREW SCREEN	\$ 85,000
3.3.4	ELECTRICAL	\$ 8,500
3.3.5	YARD PIPING	\$ 25,000
3.3.6	CONCRETE STRUCTURE	\$ 40,000
	SUB-TOTAL	\$ 213,500

Prepared : December 9, 2009

Revised: July 14, 2010

Print date: 7/16/2010

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PIGEON - ROBERTS ASSOCIATES, LLC
ENGINEERS-PLANNERS -SURVEYORS MAPPERS

3.4	CHLORINE CONTACT CHAMBER (TWO NEW)		
3.4.1	FOUNDATION, TANKAGE, BAFFELS, RAILS	\$	70,000
3.4.2	EPOXY (INTERIOR PAINTING)	\$	18,000
3.4.3	YARD PIPING	\$	12,000
	SUB-TOTAL	\$	100,000
3.5	CLARIFIER (TWO NEW)		
3.5.1	FOUNDATION and TANKAGE STRUCTURE	\$	275,800
3.5.2	CLARIFIER MECHANICAL & STAIRWAY	\$	185,000
3.5.3	YARD PIPING	\$	70,000
3.5.4	ELECTRICAL	\$	32,000
3.5.5	PAINTING	\$	10,000
	SUB-TOTAL	\$	572,800
3.6	EQUIPMENT , INSTRUMENTATION & MISCELANEOUS		
3.6.1	FLOW METER	\$	12,000
3.6.2	SURGE TANK BLOWER AND PIPING	\$	16,000
3.6.3	DIGESTER BLOWERS	\$	18,000
3.6.4	ELECTRICAL SYSTEMS UPGRADES	\$	80,000
	SUB-TOTAL	\$	126,000
3.7	RAS / WAS DUPLEX PUMP STATION		
3.3.1	PUMPS	\$	28,000
3.3.2	PIPING RECONFIGURATION	\$	20,000
3.3.3	FLOW METER	\$	4,800
3.3.4	ELECTRICAL	\$	16,000
3.3.5	YARD PIPING	\$	15,000
3.3.6	CONCRETE WORK	\$	6,000
	SUB-TOTAL	\$	89,800
3.8	CONTENGENCIES (10%)	\$	236,710
4.00	REJECT PUMP STATION		
4.1	PUMPING EQUIPMENT & WETWELL	\$	85,000
4.2	ELECTRICAL	\$	15,000
4.3	PIPING, VALVES, SIGNAGE	\$	25,000
4.4	CONTINGENCIES (10%)	\$	12,500
	SUB-TOTAL	\$	137,500
5.00	CONTROL BUILDING & LAB		
5.1	BUILDING STRUCTURE	\$	150,000
5.2	PAINTING	\$	5,000
5.3	ELECTRICAL	\$	25,000
5.4	INSTRUMENTATION & LAB EQUIPMENT	\$	65,000
5.5	FURNISHINGS	\$	3,500
5.6	CONTINGENCIES (10%)	\$	24,850
	SUB-TOTAL	\$	273,350
6.00	FILTERS		
6.1	STRUCTURE	\$	375,000
6.2	EQUIPMENT	\$	225,000
6.3	YARD PIPING AND VALVES	\$	65,000
6.4	ELECTRICAL	\$	35,000
6.5	CONTINGENCIES (10%)	\$	70,000
	SUB-TOTAL	\$	770,000

Prepared : December 9, 2009

Revised: July 14, 2010

Print date: 7/16/2010

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PIGEON - ROBERTS ASSOCIATES, LLC
ENGINEERS-PLANNERS -SURVEYORS MAPPERS

7.00	RECLAIMED WATER PUMP STATION		
7.1	STRUCTURE	\$	35,000
7.2	PUMPING EQUIPMENT & CONTROLS	\$	185,000
7.3	YARD PIPING AND VALVES	\$	35,000
7.4	ELECTRICAL	\$	65,000
7.5	FLOW METERING EQUIPMENT	\$	6,500
7.6	CONTINGENCIES (10%)	\$	32,650
	SUB-TOTAL	\$	359,150
	SUB-TOTAL CONSTRUCTION COST ESTIMATE	\$	4,609,987
9.00	ENGINEERING, GEOTECHNICAL AND ADMINISTRATION		
9.1	ENGINEERING (DESIGN, PERMITTING)	\$	290,000
9.2	CONSTRUCTION ADMINISTRATION	\$	110,000
9.3	SPECIAL USE ZONING	\$	-
9.4	ADMINISTRATIVE AND LEGAL COSTS	\$	20,000
9.5	PERMIT FEES AND IMPACT FEES	\$	10,000
9.6	GEOTECHNICAL INVESTIGATION	\$	15,000
	SUB-TOTAL	\$	445,000
TOTAL PROJECT COST		\$	5,054,987

Notes;

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- 3) Costs are based on 2010 estimated construction cost values with no provision for inflation
- 4) Project cost is based on one phase of construction and no incremental construction phases.
- 5) Above listed project cost does NOT include the effluent disposal system.

**OPINION OF PROBABLE CONSTRUCTION COST
RAINBOW SPRINGS UTILITIES, LC
EXISTING RBS GOLF COURSE RECLAIMED WATER SYSTEM**

Description: Construct new reclaimed water system to supplement and service the water needs of the existing Rainbow Springs Golf Course east of US 41. Includes the construction of an expanded reclaimed water delivery pump station, reclaimed water transmission pipeline, storage facility, new golf course irrigation pump station.

ITEM	DESCRIPTION	COST
1.0	GENERAL	
1.1	MOBILIZATION	\$ 20,000
1.2	BOND & INSURANCE	\$ 25,000
1.3	CONSTRUCTION STAKEOUT	\$ 12,500
1.4	O&M MANUALS	\$ 1,200
1.5	CONTINGENCIES (10%)	\$ 5,870
	SUB-TOTAL	\$ 64,570
2.0	SITE WORK (GENERAL)	
2.1	EROSION CONTROL (SILT SCREEN)	\$ 4,500
2.2	SIGNAGE at Golf Course & CLUBHOUSE	\$ 2,500
2.3	GENERAL RESTORATION	\$ 10,000
2.4	MONITOR WELLS (5 Wells w/Testing)	5 EA \$ 60,000
2.5	LANDSCAPING & RESTORATION	\$ 15,000
2.6	6 FT. HIGH CHAIN LINK FENCE	800 LF \$ 9,500
2.7	CONTINGENCIES (10%)	\$ 7,700
	SUB-TOTAL	\$ 109,200
3.0	RECLAIMED WATER TRANSMISSION SYSTEM	
3.1	WWTP EFFLUENT PUMP STATION EXPANSION	\$ 150,000
3.2	CONTROL VALVE, FLOW METER & RECORDER	1 EA \$ 24,000
3.3	8" GATE VALVES W/BOXES	5 EA \$ 5,000
3.4	8" PVC REUSE PIPELINE (OPEN CUT)	8600 LF \$ 205,600
3.5	8" PVC REUSE PIPELINE (DIRECT BORE)	2000 LF \$ 80,000
3.6	8" DIP PIPELINE INCL. FITTINGS	300 LF \$ 10,500
3.7	16" JACK & BORE STEEL CASING	160 LF \$ 19,200
3.8	AIR RELEASE ASSEMBLY	2 EA \$ 3,000
3.9	PAVEMENT RESTORATION (DRIVEWAYS)	88 SY \$ 3,500
3.10	SEED & MULCH	20,000 SY \$ 7,000
3.11	SOD	4,000 SY \$ 10,000
3.12	TESTING	\$ 3,500
3.13	CONTINGENCIES (10%)	\$ 52,130
	SUB-TOTAL	\$ 573,430

Prepared: December 9, 2009

Revised: July 14, 2010

Print Date: 7/16/2010

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File: T:\102 RBS Util\04 Master Plan\Master Sewer plan\EXCEL sheets\2010-06-14_Estimates\Cost_Est_07-14-10_RBS GOLF IRRIGATION.xls

PIGEON - ROBERTS ASSOCIATES, LLC
ENGINEERS-PLANNERS -SURVEYORS MAPPERS

4.0	GOLF COURSE WATER STORAGE AND PUMP SYSTEM		
4.1	CLEARING, GRADING & SITE PREP	\$	8,000
4.2	FOUNDATION & GRADING	\$	15,000
4.3	STORMWATER MANAGEMENT/DRINAGE	\$	5,000
4.4	GRASSING	\$	2,500
4.5	YARD PIPING, VALVES & SPECIALTIES	\$	25,000
4.6	GOLF IRRIGATION PUMP STATION	\$	225,000
4.7	RECLAIMED WATER STORAGE (.800 MG)	\$	660,000
4.8	TELEMETRY SYSTEM TO WWTP COTROL	\$	8,500
4.9	U.G. ELECTRIC SERVICE AND MDP	\$	75,000
4.10	PUMP HOUSE STRUCTURE	\$	55,000
4.11	TESTING	\$	5,000
4.12	EXISTING IRRIGATION WELL MODIFICATIONS	\$	30,000
4.13	CONTENGENCIES (10%)	\$	111,400
	SUB-TOTAL	\$	1,225,400
	SUB-TOTAL CONSTRUCTION COST ESTIMATE	\$	1,972,600
5.0	ENGINEERING, GEOTECHNICAL AND ADMINISTRATION		
5.1	ENGINEERING (SURVEYING, DESIGN, PERMITTING SERVICES)	\$	138,082
5.2	CONSTRUCTION ADMINISTRATION	\$	34,311
5.3	O&M MANUAL AND STARTUP TRAINING	\$	3,500
5.4	SPECIAL USE ZONING	\$	15,000
5.5	ADMINISTRATIVE AND LEGAL COSTS	\$	35,000
5.6	PERMIT FEES (FDEP, COUNTY, FDOT, WMD)	\$	6,000
5.7	GEOTECHNICAL INVESTIGATION / REPORT	\$	15,000
	SUB-TOTAL	\$	246,893
	TOTAL ESTIMATED COST	\$	2,219,493

Notes;

- 1) Does not include easement acquisition cost or financing cost.
- 2) This is a preliminary estimate for general planning purposes only. Costs have been estimated without detailed design or geotechnical investigation
- 3) Costs are based on 2010 estimated construction cost values with no provision for inflation.
- 4) Cost estimate does not include any upgrades to the golf irrigation system or system controls.
- 5) Cost Estimate does not include adjustments to the existing golf irrigation wells or well controls.

Prepared: December 9, 2009

Revised: July 14, 2010

Print Date: 7/16/2010

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PIGEON - ROBERTS ASSOCIATES, LLC
ENGINEERS-PLANNERS -SURVEYORS MAPPERS

Engineers Estimate of Probable Construction Cost
TRACT 'F' OFF-SITE SEWER / RECLAIMED WATER SYSTEM

Date: 07/14/10

Description: Off-site main sewer system infrastructure to service Tract "F" at Rainbow Springs. One master sewer pump station and 10 inch forcemain. 10 inch reclaimed water transmission main.

ESTIMATED QUANTITY	Units	Unit Cost	EXTENSION
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General Conditions

Mobilization/Demobilization	1	LS	\$35,000.00	\$35,000.00
Construction Stakeout & As-Built	1	LS	\$24,000.00	\$24,000.00
Temporary Utilities	1	LS	\$1,000.00	\$1,000.00
FDOT Maintenance of Traffic	1	LS	\$6,500.00	\$6,500.00
Performance / Payment Bond (2.0%)	1	LS	\$27,219.67	\$27,219.67
Contingency (10%)	1	LS	\$9,371.97	\$9,371.97

Total General Conditions

\$103,091.64

Sitework

Site Clearing	4.00	AC	\$2,280.00	\$9,120.00
Restoration / grassing	1	LS	\$10,000.00	\$10,000.00
Erosion Control / SWPPP	1	LS	\$4,500.00	\$4,500.00
Contingency(10%)	1	LS	\$2,362.00	\$2,362.00

Total Sitework

\$25,982.00

Sanitary Sewer System

4' Manhole (0-6')		EA	\$2,000.00	\$0.00
4' Manhole (6-8')		EA	\$2,300.00	\$0.00
4' Manhole (8-10')		EA	\$2,500.00	\$0.00
10" Plug Valve w/Box	4	EA	\$3,600.00	\$14,400.00
Single Service Connect		EA	\$300.00	\$0.00
Double Service Connect		EA	\$450.00	\$0.00
8" PVC (0-6')		LF	\$16.00	\$0.00
8" PVC (6-8')		LF	\$18.00	\$0.00
8" PVC (8-10')		LF	\$22.00	\$0.00
8" PVC (10-12')		LF	\$25.00	\$0.00
Jack @ Bore 12"		LF	\$150.00	\$0.00
Jack @ Bore 18"	300	LF	\$185.00	\$55,500.00
Master Lift Station (10' Diameter/triplex)	1	LS	\$175,000.00	\$175,000.00
Local Lift Station (6' Diameter/duplex)		LS	\$120,000.00	\$0.00
10" PVC San. Force Main	14,750	LF	\$28.00	\$413,000.00
12" PVC San. Force Main		LF	\$26.00	\$0.00
Air release Assembly	4	LF	\$6,500.00	\$26,000.00
Sod (30' Wide R/W)	17,630	SY	\$2.65	\$46,719.50
Testing	1	LS	\$6,500.00	\$6,500.00
Contingency(10%)	1	LS	\$73,711.95	\$73,711.95

Total Sanitary Sewer

\$810,831.45

Engineers Estimate of Probable Construction Cost
 TRACT 'F' OFF-SITE SEWER / RECLAIMED WATER SYSTEM

ESTIMATED QUANTITY	Units	Unit Cost	EXTENSION
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Reclaimed Water System

10" C-900 PVC Pipe, Incl. fittings	12,420	LS	\$25.00	\$310,500.00
10" Gate Valve and Box	4	LS	\$1,800.00	\$7,200.00
Air release assembly	4	LS	\$3,500.00	\$14,000.00
Jack @ Bore 18" Steel Casing	300	LF	\$185.00	\$55,500.00
Outfall Structure	1	LS	\$4,500.00	\$4,500.00
Reservoir Level Telemetry System	1	LS	\$8,500.00	\$8,500.00
Testing	1	LS	\$4,500.00	\$4,500.00
Contingency(10%)	1	LS	\$40,470.00	\$40,470.00

Total Reclaimed Water **\$445,170.00**

Electric

Underground Electric to Lift Station	1	LS	\$12,500.00	\$12,500.00
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Total Electric **\$12,500.00**

Total Hard Costs **\$1,397,575.09**

Soft Costs

Preliminary Design/Planning	1	LS	\$6,987.88	\$6,987.88
Surveying Services	1	LS	\$33,583.73	\$33,583.73
Engineering Services				
Sewer System design	1	LS	\$96,320.87	\$96,320.87
FDEP permitting Reclaimed Water	1	LS	\$3,200.00	\$3,200.00
FDEP permitting sewer	1	LS	\$3,500.00	\$3,500.00
FDOT utility permit	1	LS	\$4,500.00	\$4,500.00
Permit fees	2	LS	\$1,000.00	\$2,000.00
Soil Borings & Testing	1	LS	\$2,500.00	\$2,500.00
Construction Administration Services	1	LS	\$27,350.54	\$27,350.54
Construction Inspections	1	LS	\$27,350.54	\$27,350.54
Final Certifications and As-Builts	1	LS	\$8,539.18	\$8,539.18
General & Administrative, Legal	1	LS	\$34,184.69	\$34,184.69
Contingency(10%)	1	LS	\$25,001.74	\$25,001.74

Total Soft Costs **\$275,019.18**

Total Cost Estimate **\$1,672,594.27**

Notes:

- 1) Does not include easement acquisition cost or financing cost.
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- 3) Costs are based on 2010 estimated construction cost values with no provision for inflation.
- 4) Construction cost is based on one phase of construction and no incremental construction stages.

**OPINION OF PROBABLE CONSTRUCTION COST
RAINBOW SPRINGS UTILITIES, LC
WASTEWATER TREATMENT FACILITY EXPANSION - PHASE IV**

Description: Expand plant and increase capacity from 0.230 MGD to 0.275 MGD. Secondary treatment with nitrogen reduction capability for <10 mg/L nitrogen effluent and Basic Level Disinfection with hypochlorite solution feed. Add Aeration tankage (42,000 gal), One new 30,000 gallon Flow Equalization/Surge Attenuation tank with new duplex blower assembly and controls, add new CCC tank with flow meter, baffels and piping, add headworks screen, Upgrade Chlorination feed system to Sodium Hypochlorite, Upgrade electrical system for new loads.

ITEM	DESCRIPTION	COST
1.0	GENERAL	
1.1	MOBILIZATION	\$ 15,000
1.2	BOND & INSURANCE	\$ 10,000
1.3	CONSTRUCTION STAKEOUT	\$ 4,500
1.4	O&M MANUALS	\$ 1,500
1.5	CONTINGENCIES (10%)	\$ 3,100
	SUB-TOTAL	\$ 34,100
2.0	SITE WORK (WWTP EXPANSION)	
2.1	DEMOLITION AND REMOVAL	\$ 2,500
2.2	EARTHWORK	\$ 12,000
2.3	FINISH GRADING	\$ 3,500
2.4	GRASSING	\$ 1,500
2.5	MISCELANEOUS CONCRETE	\$ 4,000
2.6	CONTINGENCIES (10%)	\$ 23,500
	SUB-TOTAL	\$ 47,000
3.0	TREATMENT PLANT UPGRADES	
3.1	FLOW EQUALIZATION / SURGE TANK (ONE NEW)	
3.1.1	FOUNDATION, TANKAGE& PIPING, CORE BORES	\$ 65,000
	SUB-TOTAL	\$ 65,000
3.2	AERATION TANKAGE/ANOXIC TANKAGE	
3.2.1	FOUNDATION, TANKAGE, PIPING	\$ 165,000
	SUB-TOTAL	\$ 165,000
3.3	RAS / WAS DUPLEX PUMP STATION	
3.3.1	PUMPS	\$ -
3.3.2	PIPING RECONFIGURATION	\$ -
3.3.3	FLOW METER	\$ -
3.3.4	ELECTRICAL	\$ -
3.3.5	YARD PIPING	\$ -
3.3.6	CONCRETE WORK	\$ -
	SUB-TOTAL	\$ -
3.4	CHLORINE CONTACT CHAMBER(ONE ADDITIONAL)	
3.4.1	FOUNDATION, TANKAGE, BAFFELS, RAILS	\$ 45,000
3.4.2	YARD PIPING	\$ 8,000
	SUB-TOTAL	\$ 53,000
3.5	CLARIFIER	
3.5.1	FOUNDATION, TANKAGE, PIPING, STARWAY	\$ -
3.5.2	YARD PIPING	\$ -
3.5.3	ELECTRICAL	\$ -
	SUB-TOTAL	\$ -

Date: December 07, 2009

Revised: July, 14, 2010

Print Date: 7/16/2010

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ENGINEERS-PLANNERS -SURVEYORS - MAPPERS

3.6	EQUIPMENT , INSTRUMENTATION & MISCELANEOUS		
3.6.1	FLOW METER	\$	6,500
3.6.2	SURGE TANK BLOWER AND PIPING	\$	38,000
3.6.3	DIGESTER BLOWERS	\$	-
3.6.4	SODIUM HYPOCHLORITE FEED SYSTEM	\$	26,000
3.6.5	ELECTRICAL SYSTEMS UPGRADES	\$	35,000
	SUB-TOTAL	\$	105,500
3.7	HEADWORKS		
3.7.1	FINE SCREENS	\$	45,000
3.7.2	CONCRETE SLAB AND DRAIN	\$	6,500
3.7.3	DUMPSTER SHOOT	\$	3,500
3.7.4	PIPING	\$	4,500
3.7.5	VALVES	\$	7,500
	SUB-TOTAL	\$	67,000
3.8	CONTINGENCIES (10%)	\$	53,660
	SUB-TOTAL CONSTRUCTION COST ESTIMATE	\$	590,260
4.0	ENGINEERING, GEOTECHNICAL AND ADMINISTRATION		
4.1	ENGINEERING (DESIGN, PERMITTING, CONST.)	\$	55,000
4.2	CONSTRUCTION ADMINISTRATION	\$	35,000
4.3	SPECIAL USE ZONING	\$	-
4.4	ADMINISTRATIVE AND LEGAL COSTS	\$	10,000
4.5	PERMIT FEES	\$	5,000
4.6	GEOTECHNICAL INVESTIGATION	\$	8,000
	SUB-TOTAL	\$	113,000
TOTAL PROJECT COST		\$	703,260

Notes;

- 1) Does not include project financing cost.
- 2) This is a preliminary estimate for general planning purposes only. Costs have been estimated without detailed preliminary design.
- 3) Costs are based on 2010 estimated construction cost values with no provision for inflation.
- 4) Project cost does NOT include effluent disposal system.

**OPINION OF PROBABLE CONSTRUCTION COST
RAINBOW SPRINGS UTILITIES, LC
SPRAYFIELD EXPANSION AT EXISTING SITE**

Description: Expand and increase capacity of REUSE WATER SPRAYFIELD from 0.230 MGD to 0.275 MGD. Sprayfield to be located on existing WWTP facility property (expansion of approximately 6.5 acres) immediately north/northwest of existing reuse water sprayfield.

ITEM	DESCRIPTION	COST
1.0	GENERAL	
1.1	MOBILIZATION	\$ 15,000
1.2	BOND & INSURANCE	\$ 8,000
1.3	CONSTRUCTION STAKEOUT/AS-BUILTS	\$ 12,000
1.4	O&M MANUALS	\$ 1,200
1.5	CONTINGENCIES (10%)	\$ 3,620
	SUB-TOTAL	\$ 39,820
2.0	SITE WORK	
2.1	DEMOLITION AND REMOVAL (fence)	\$ -
2.2	CLEARING & GRUBBING (7.0 Ac)	\$ 12,600
2.3	EARTHWORK (40,000 cy)	\$ 120,000
2.4	STORMWATER MANAGEMENT/DRINAGE	\$ -
2.5	FINISH GRADING	\$ 4,500
2.6	GRASSING DRA	\$ -
2.7	SIGNAGE	\$ -
2.8	CONTINGENCIES (10%)	\$ 13,710
	SUB-TOTAL	\$ 150,810
3.0	SPRAYFIELD EXPANSION (ADD 130,000 GPD)	
3.1	PIPING, VALVES & SPRAYHEAD ASSEMBLIES	\$ 125,000
3.2	GRASSING 7.0 ACRES (\$1000/Ac;600 Bushels/Ac)	\$ 7,000
3.3	MONITOR WELLS (1 NEW W/ TESTING)	\$ 12,000
3.4	FENCE	\$ -
3.5	CONTINGENCIES (10%)	\$ 14,400
	SUB-TOTAL	\$ 158,400
	SUB-TOTAL CONSTRUCTION COST ESTIMATE	\$ 349,030
4.0	ENGINEERING, GEOTECHNICAL AND ADMINISTRATION	
4.1	ENGINEERING (SURVEYING, DESIGN, PERMITTING)	\$ 35,000
4.2	CONSTRUCTION ADMINISTRATION	\$ 15,000
4.3	SPECIAL USE ZONING	\$ -
4.4	ADMINISTRATIVE AND LEGAL COSTS	\$ 10,000
4.5	PERMIT FEES	\$ 5,300
4.6	GEOTECHNICAL INVESTIGATION/REPORT	\$ 18,000
	SUB-TOTAL	\$ 83,300
	TOTAL ESTIMATED COST	\$ 432,330

Notes;

- 1) Does not include financing cost.
- 2) This is a preliminary estimate for general planning purposes only. Costs have been estimated without detailed design.
- 3) Costs are based on 2010 estimated construction cost values with no provision for inflation.
- 4) This Cost Estimate does not include any wastewater plant capacity increase, treatment plant upgrades or WWTP changes.

Date: December 7, 2009

Revised: July 14, 2010

Print date: 7/16/2010

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File: T:\102 RBS Util\04 Master Plan\Master Sewer plan\EXCEL sheets\2010-06-14_Estimates\Cost_Est_07-14-10_0.275 WWTP&SPRAYFIELD.xls

PIGEON-ROBERTS ASSOCIATES, LLC
ENGINEERS - PLANNERS - SURVEYORS - MAPPERS

**Engineers Estimate of Probable Construction Cost
TRACT 'B-B' OFF-SITE SEWER SYSTEM CONNECTION**

Date: 07/14/2010

Description: Lift Station and Off-site sewer system infrastructure connection to service Tract "B-B" at Rainbow Springs. One master sewer pump Station and 8 inch forcemain main interconnect. Note: This system connects to the proposed forcemain transmission line that is planned to service Tract "H".

ESTIMATED QUANTITY	Units	Unit Cost	EXTENSION
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General Conditions

Mobilization/Demobilization	1	LS	\$10,000.00	\$10,000.00
Construction Stakeout & As-Built	1	LS	\$5,000.00	\$5,000.00
Temporary Utilities	1	LS	\$1,000.00	\$1,000.00
FDOT Maintenance of Traffic	1	LS	\$0.00	\$0.00
Performance / Payment Bond (2.0%)	1	LS	\$3,358.79	\$3,358.79
Contingency (10%)	1	LS	\$1,935.88	\$1,935.88

Total General Conditions

\$21,294.87

Sitework

Site Clearing	0.50	AC	\$2,500.00	\$1,250.00
General Restoration	1	LS	\$2,500.00	\$2,500.00
Erosion Control / SWPPP	1	LS	\$1,500.00	\$1,500.00
Contingency(10%)	1	LS	\$525.00	\$525.00

Total Sitework

\$5,775.00

Sanitary Sewer System

4' Manhole (0-6')		EA	\$2,000.00	\$0.00
4' Manhole (6-8')		EA	\$2,300.00	\$0.00
4' Manhole (8-10')		EA	\$2,500.00	\$0.00
8" Plug Valve w/ box	1	EA	\$1,500.00	\$1,500.00
Single Service Connect		EA	\$300.00	\$0.00
Double Service Connect		EA	\$450.00	\$0.00
8" PVC (0-6')		LF	\$16.00	\$0.00
8" PVC (6-8')		LF	\$18.00	\$0.00
8" PVC (8-10')		LF	\$22.00	\$0.00
8" PVC (10-12')		LF	\$25.00	\$0.00
Jack @ Bore 12"		LF	\$150.00	\$0.00
Jack @ Bore 16"		LF	\$175.00	\$0.00
Master Lift Station (10' Diameter/triplex)		LS	\$145,000.00	\$0.00
Local Lift Station (8' Diameter/duplex)	1	LS	\$120,000.00	\$120,000.00
8" PVC San. Force Main	350	LF	\$24.00	\$8,400.00
12" PVC San. Force Main		LF	\$28.00	\$0.00
Air release Assembly		LF	\$6,500.00	\$0.00
Sod	180	SY	\$2.65	\$477.00
Testing	1	LS	\$2,500.00	\$2,500.00
Contingency(10%)	1	LS	\$13,287.70	\$13,287.70

Total Sanitary Sewer

\$146,164.70

Engineers Estimate of Probable Construction Cost
 TRACT 'B-B' OFF-SITE SEWER SYSTEM CONNECTION

ESTIMATED QUANTITY	Units	Unit Cost	EXTENSION
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Reclaimed Water System

10" C-900PVC Pipe, Incl. fittings		LS	\$25.00	\$0.00
10" gate valve and box		LS	\$1,800.00	\$0.00
Air release assembly		LS	\$3,500.00	\$0.00
Jack @ Bore 18"		LF	\$185.00	\$0.00
		LS	\$0.00	\$0.00
Reservoir Level Telemetry System		LS	\$6,500.00	\$0.00
Testing		LS	\$4,500.00	\$0.00
Contingency(10%)		LS	\$0.00	\$0.00

Total Reclaimed Water **\$0.00**

Electric

Underground Electric to Lift Station	1	LS	\$15,000.00	\$15,000.00
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Total Electric **\$15,000.00**

Total Hard Costs **\$188,234.37**

Soft Costs

Preliminary Design/Planning	1	LS	\$1,110.58	\$1,110.58
Surveying Services	1	LS	\$6,405.62	\$6,405.62
Engineering Services				
Sewer System design	1	LS	\$14,855.46	\$14,855.46
FDEP permitting sewer	1	LS	\$3,500.00	\$3,500.00
		LS		\$0.00
Permit fees	1	LS	\$1,000.00	\$1,000.00
Soil Borings & Testing	1	LS	\$1,500.00	\$1,500.00
Construction Administration Services	1	LS	\$3,683.75	\$3,683.75
Construction Inspections	1	LS	\$3,683.75	\$3,683.75
Final Certifications and As-Builts	1	LS	\$1,150.11	\$1,150.11
General & Administrative, Legal	1	LS	\$4,604.21	\$4,604.21
Contingency(10%)	1	LS	\$4,149.35	\$4,149.35

Total Soft Costs **\$45,642.82**

Total Cost Estimate **\$233,877.19**

Notes;

- 1) Does not include easement acquisition cost or financing cost.
- 2) This is a preliminary estimate for general planning purposes only. Costs have been estimated without detailed design or geotechnical investigation
- 3) Costs are based on 2010 estimated construction cost values with no provision for inflation.

**RAINBOW SPRINGS UTILITIES, LC
 MASTER WATER PLAN
 WATER SUPPLY, TREATMENT AND TRANSMISSION FACILITIES
 2010 CAPITAL COST ESTIMATE SUMMARY**

EXISTING WATER PLANT CAPACITY INCREASE	\$	252,390
SW 92ND STREET AND US 41 WATERMAIN LOOP	\$	307,368
TRACT "B-B" WATERMAIN EXTENSION	\$	319,824
SOUTH US 41 COMMERCIAL & TRACT 'F' WATERMAIN	\$	793,483
TRACT "H" WATER SUPPLY FACILITY	\$	851,382
TRACT "F" PUBLIC WATER SUPPLY WELLS	\$	187,630
TRACT 'F' WATER PLANT PHASE 1	\$	879,876
TRACT 'F' WATER PLANT PHASE 2	\$	1,322,117
TOTAL CAPITAL COST ESTIMATE		\$ 4,914,070.00

Notes:

1. The above listed summary of costs are based on 2010 estimated construction cost values with no provision for inflation.
2. Cost estimates do not include easement acquisition costs or financing costs.
3. Above estimates have ben prepared based on planning level design and have been estimated without detailed preliminary design or geotechnical investigation.
4. Project cost for each component listed above are based on one phase of construction per component and no incremental construction stages.

RAINBOW SPRINGS UTILITIES, LC
MASTER WATER PLAN
WATER SUPPLY, TREATMENT AND TRANSMISSION FACILITIES
2010 CAPITAL COST ESTIMATE SUMMARY

		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
EXISTING WATER PLANT CAPACITY INCREASE	\$ 262,390	\$ 36,000	\$ 216,390										
SW 92ND STREET AND US 41 WATERMAIN LOOP	\$ 307,368		\$ 43,000	\$ 264,368									
TRACT "B-B" WATERMAIN EXTENSION	\$ 319,824					\$ 150,000	\$ 169,824						
SOUTH US 41 COMMERCIAL & TRACT 'F' WATERMAIN	\$ 793,483				\$ 95,000	\$ 698,483							
TRACT "H" WATER SUPPLY FACILITY	\$ 851,382						\$ 70,000	\$ 781,382					
TRACT "F" PUBLIC WATER SUPPLY WELLS	\$ 187,630			\$ 187,630									
TRACT 'F' WATER PLANT PHASE 1	\$ 879,876			\$ 95,500	\$ 634,376	\$ 150,000							
TRACT 'F' WATER PLANT PHASE 2	\$ 1,322,117							\$ 88,000	\$ 653,854	\$ 580,263			
TOTAL CAPITAL COST ESTIMATE	\$ 4,914,070.00	\$ 36,000	\$ 259,390	\$ 547,498	\$ 729,376	\$ 998,483	\$ 239,824	\$ 869,382	\$ 653,854	\$ 580,263	\$ -	\$ -	\$ -

- Notes:
1. Development of Tract F is planned on needing water services by 2113
 2. Development of Tract H is planned on needing water service by 2116
 3. No reclaimed water use is planned to be available to Rainbow Springs individual residential properties for irrigation use.

**OPINION OF PROBABLE CONSTRUCTION COST
RAINBOW SPRINGS UTILITIES, L.C.
RAINBOW SPRINGS MAIN WATER PLANT CAPACITY UPGRADES**

Description: Existing water plant capacity upgrades to include installation of third high service pump, upgrade capacity of auxiliary power generator and reprogram logic controller equipment.

	ITEM	QUANTITY	UNIT PRICE	EXTENSION
1.00	GENERAL CONDITIONS			
1.01	MOBILIZATION	1.00 LS	\$4,000.00 /LS	\$4,000.00
			TOTAL	\$4,000.00
2.00	SITWORK			
2.01	CLEARING/GRUBBING, GRADING, GRASSING	1 LS	\$2,000.00 /LS	\$2,000.00
2.02	CHAIN LINK FENCING (RESTORATION)	40 LF	\$15.00 /LF	\$600.00
2.03	SIGNAGE	1 LS	\$500.00 /LS	\$500.00
			TOTAL	\$3,100.00
3.00	EQUIPMENT			
3.01	HIGH SERVICE PUMP #3	1 EA	\$22,000.00 /EA	\$22,000.00
3.02	ELECTRICAL	1 EA	\$35,000.00 /EA	\$35,000.00
3.03	PAINTING	1 LS	\$4,500.00 /LS	\$4,500.00
3.04	AUXILIARY POWER GENERATOR AND ATS	1 EA	\$75,000.00 /EA	\$75,000.00
3.05	PIPING, VALVES, FITTINGS, SPECIALTIES	1 LS	\$15,000.00 /LS	\$15,000.00
			TOTAL	\$151,500.00
4.00	STRUCTURAL BUILDING/ELECTRICAL			
4.01	CONCRETE FOUNDATION	1 LS	\$12,000.00 /LS	\$12,000.00
			TOTAL	\$12,000.00
5.00	MISCELLANEOUS			
5.01	PERFORMANCE / PAYMENT BOND	1 LS	\$2,600.00 /LS	\$2,600.00
5.02	CONSTRUCITON STAKE OUT	1 LS	\$1,200.00 /LS	\$1,200.00
5.03	TESTING AND O&M MANUALS	1 LS	\$3,500.00 /LS	\$3,500.00
			TOTAL	\$7,300.00
6.00	CONSTRUCTION CONTEGENCY (10%)	1 LS	\$1,200.00 /LS	\$17,790.00
			SUB-TOTAL CONSTRUCTION COST ESTIMATE	\$195,690.00
7.00	ENGINEERING, GEOTECHNICAL AND ADMINISTRATION			
7.01	GEOTECHNICAL SERVICES	1 LS	\$1,200.00 /LS	\$1,200.00
7.02	ENGINEERING (DESIGN, PERMITTING, CONST. ADMIN.)	1 LS	\$45,000.00 /LS	\$45,000.00
7.03	PERMIT FEES	1 LS	\$2,500.00 /LS	\$2,500.00
7.04	ADMINISTRATIVE AND LEGAL	1 LS	\$8,000.00 /LS	\$8,000.00
			SUB-TOTAL SOFT COST	\$56,700.00
			TOTAL PROJECT COST	\$252,390.00

Notes:

1. Dose not include project financing cost.
2. Costs are based on 2010 estimated construction cost values with no provision for inflation.
3. This is a preliminary estimate for general planning purposes only. Costs have been estimated based only on preliminary design.

**OPINION OF PROBABLE CONSTRUCTION COST
RAINBOW SPRINGS UTILITIES, L.C.
RAINBOW SPRINGS MAIN WATER PLANT CAPACITY UPGRADES**

Description: Existing water plant capacity upgrades to include installation of third high service pump, upgrade capacity of auxiliary power generator and reprogram logic controller equipment.

ITEM		QUANTITY	UNIT PRICE	EXTENSION
1.00	GENERAL CONDITIONS			
1.01	MOBILIZATION	1.00 LS	\$4,000.00 /LS	\$4,000.00
			TOTAL	\$4,000.00
2.00	SITWORK			
2.01	CLEARING/GRUBBING, GRADING, GRASSING	1 LS	\$2,000.00 /LS	\$2,000.00
2.02	CHAIN LINK FENCING (RESTORATION)	40 LF	\$15.00 /LF	\$600.00
2.03	SIGNAGE	1 LS	\$500.00 /LS	\$500.00
			TOTAL	\$3,100.00
3.00	EQUIPMENT			
3.01	HIGH SERVICE PUMP #3	1 EA	\$22,000.00 /EA	\$22,000.00
3.02	ELECTRICAL	1 EA	\$35,000.00 /EA	\$35,000.00
3.03	PAINTING	1 LS	\$4,500.00 /LS	\$4,500.00
3.04	AUXILIARY POWER GENERATOR AND ATS	1 EA	\$75,000.00 /EA	\$75,000.00
3.05	PIPING, VALVES, FITTINGS, SPECIALTIES	1 LS	\$15,000.00 /LS	\$15,000.00
			TOTAL	\$151,500.00
4.00	STRUCTURAL BUILDING/ELECTRICAL			
4.01	CONCRETE FOUNDATION	1 LS	\$12,000.00 /LS	\$12,000.00
			TOTAL	\$12,000.00
5.00	MISCELLANEOUS			
5.01	PERFORMANCE / PAYMENT BOND	1 LS	\$2,600.00 /LS	\$2,600.00
5.02	CONSTRUCITON STAKE OUT	1 LS	\$1,200.00 /LS	\$1,200.00
5.03	TESTING AND O&M MANUALS	1 LS	\$3,500.00 /LS	\$3,500.00
			TOTAL	\$7,300.00
6.00	CONSTRUCTION CONTEGENCY (10%)	1 LS	\$1,200.00 /LS	\$17,790.00
			SUB-TOTAL CONSTRUCTION COST ESTIMATE	\$195,690.00
7.00	ENGINEERING, GEOTECHNICAL AND ADMINISTRATION			
7.01	GEOTECHNICAL SERVICES	1 LS	\$1,200.00 /LS	\$1,200.00
7.02	ENGINEERING (DESIGN, PERMITTING, CONST. ADMIN.)	1 LS	\$45,000.00 /LS	\$45,000.00
7.03	PERMIT FEES	1 LS	\$2,500.00 /LS	\$2,500.00
7.04	ADMINISTRATIVE AND LEGAL	1 LS	\$8,000.00 /LS	\$8,000.00
			SUB-TOTAL SOFT COST	\$56,700.00
			TOTAL PROJECT COST	\$252,390.00

Notes:

1. Dose not include project financing cost.
2. Costs are based on 2010 estimated construction cost values with no provision for inflation.
3. This is a preliminary estimate for general planning purposes only. Costs have been estimated based only on preliminary design.

Engineers Estimate of Probable Construction Cost SW 92nd Street Road and US 41 Mainline Loop Watermain

Description: Off-site water distribution system transmission pipeline installation along SW 92nd Street Road and US 41 North to provide fire flow and capacity increase to service the US 41 north commercial corridor and the northern extent of Rainbow Springs residential Development.

ITEM	ESTIMATED QUANTITY	Units	Unit Cost	EXTENSION
General Conditions				
Mobilization/Demobilization	1	LS	\$20,000.00	\$20,000.00
Construction Stakeout & As-Built	1	LS	\$15,000.00	\$15,000.00
Temporary Utilities	1	LS	\$1,000.00	\$1,000.00
FDOT Maintenance of Traffic	1	LS	\$10,000.00	\$10,000.00
Performance / Payment Bond (3.0%)	1	LS	\$6,766.43	\$6,766.43
Contingency (10%)	1	LS	\$4,600.00	\$4,600.00
Total General Conditions				\$57,366.43
Sitework				
Site Clearing	1.00	AC	\$2,500.00	\$2,500.00
Dewatering		LS	\$0.00	\$0.00
Erosion Control / SWPPP	1	LS	\$5,000.00	\$5,000.00
Contingency(10%)	1	LS	\$750.00	\$750.00
Total Sitework				\$8,250.00
Water Distribution System				
4" PVC Pipe (AWWA C-900, DR 18)		LF	\$14.00	\$0.00
4" DIP Pipe		LF	\$28.00	\$0.00
4" Gate Valves w/box		EA	\$550.00	\$0.00
6" PVC Pipe		LF	\$16.00	\$0.00
6" DIP Pipe		LF	\$35.00	\$0.00
8" Gate Valves w/box	1	EA	\$950.00	\$950.00
8" PVC Pipe (AWWA C-900, DR 18)	40	LF	\$20.00	\$800.00
8"x 8" Wet Tap	2	EA	\$2,800.00	\$5,600.00
12" PVC Pipe (AWWA C-900, DR 18)	3,200	LF	\$28.00	\$89,600.00
12" DIP Class 52		LF	\$45.00	\$0.00
12" Gate Valve w/box	6	EA	\$1,600.00	\$9,600.00
Fire Hydrant Assembly	2	EA	\$2,500.00	\$5,000.00
Blow-Off Assembly	2	EA	\$850.00	\$1,700.00
12"x 12" Wet Tap	1	EA	\$3,200.00	\$3,200.00
Jack and Bore 16" casing		LF	\$165.00	\$0.00
Jack and Bore 18" casing	120	LF	\$185.00	\$22,200.00
Sod (15' Wide RW)	5500	SY	\$2.65	\$14,575.00
Testing	1	LS	\$2,500.00	\$2,500.00
Contingency(10%)	1	LS	\$15,572.50	\$15,572.50
Total Water Distribution				\$171,297.50
Total Hard Costs				\$236,913.93

Date: December 9, 2009

Revised: July 15, 2010

Print Date: 7/16/2010

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PIGEON-ROBERTS ASSOCIATES, LLC
ENGINEERS - PLANNERS - SURVEYORS AND MAPPERS

**Engineers Estimate of Probable Construction Cost
SW 92nd Street Road and US 41 Mainline Loop Watermain**

ESTIMATED QUANTITY	Units	Unit Cost	EXTENSION
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Soft Costs

Preliminary Design/Planning	1	LS	\$2,369.14	\$2,369.14
Surveying Services	1	LS	\$8,291.99	\$8,291.99
Environmental Services	0	LS	\$0.00	\$0.00
Engineering Services				
Water System design	1	LS	\$23,691.39	\$23,691.39
FDEP permitting Water	1	LS	\$3,000.00	\$3,000.00
FDOT utility permit	1	LS	\$3,500.00	\$3,500.00
Permit fees	1	LS	\$500.00	\$500.00
Soil Borings & Testing	1	LS	\$2,500.00	\$2,500.00
Construction Administration Services	1	LS	\$4,636.41	\$4,636.41
Construction Inspections	1	LS	\$4,636.41	\$4,636.41
Final Certifications and As-Builts	1	LS	\$1,447.54	\$1,447.54
General & Administrative, Legal	1	LS	\$9,476.56	\$9,476.56
Contingency(10%)	1	LS	\$6,404.94	\$6,404.94
Total Soft Costs				\$70,454.37

Total Cost Estimate

\$307,368.30

Notes;

- 1) Does not include easement acquisition cost or financing cost.
- 2) This is a preliminary estimate for general planning purposes only. Costs have been estimated without detailed preliminary design or geotechnical investigation
- 3) Construction costs are based on 2010 estimated construction cost values with no provision for inflation.

**Engineers Estimate of Probable Construction Cost of Off-Site Water Mains
To service TRACT 'B-B' (Rainbow's End Golf Course Tract)**

Date: 07/15/2010

Description: Cost for off-site 10" water main infrastructure to service Tract "B-B" at Rainbow Springs,(current Rainbow's End Golf Course Tract) from US 41 connection to Tract "B-B".

ITEM	ESTIMATED QUANTITY	Units	Unit Cost	EXTENSION
General Conditions				
Mobilization/Demobilization	1	LS	\$8,000.00	\$35,000.00
Construction Stakeout & As-Built	1	LS	\$7,500.00	\$7,500.00
Temporary Utilities	1	LS	\$1,000.00	\$1,000.00
FDOT Maintenance of Traffic	1	LS	\$6,500.00	\$6,500.00
Performance / Payment Bond (3.0%)	1	LS	\$7,449.90	\$7,449.90
Contingency & Inflation (10%)	1	LS	\$5,744.99	\$5,744.99
Total General Conditions				\$63,194.89
Sitework				
Site Clearing	0.00	AC	\$2,500.00	\$0.00
Dewatering	0	LS	\$0.00	\$0.00
Erosion Control / SWPPP	1	LS	\$4,500.00	\$4,500.00
Contingency(10%)	1	LS	\$450.00	\$450.00
Total Sitework				\$4,950.00
Water Distribution System				
4" PVC Pipe		LF	\$14.00	\$0.00
4" DIP Pipe		LF	\$28.00	\$0.00
4" Gate Valves w/box		EA	\$550.00	\$0.00
6" PVC Pipe		LF	\$16.00	\$0.00
6" DIP Pipe		LF	\$35.00	\$0.00
8" Gate Valves w/box		EA	\$950.00	\$0.00
8" PVC Pipe		LF	\$20.00	\$0.00
8"x 8" Wet Tap		EA	\$2,800.00	\$0.00
10" Gate Valves w/box	3	LF	\$1,250.00	\$3,750.00
10" PVC Pipe	3,500	LF	\$35.00	\$122,500.00
12" Gate Valve w/box		EA	\$1,600.00	\$0.00
Fire Hydrant Assembly	2	EA	\$2,000.00	\$4,000.00
Blow-Off Assembly	1	EA	\$850.00	\$850.00
12"x 12" Wet Tap		EA	\$3,200.00	\$0.00
Jack and Bore 16" casing	150	LF	\$165.00	\$24,750.00
Jack and Bore 18" casing	0	LF	\$185.00	\$0.00
Sod (15' Wide R/W)	5580	SY	\$2.50	\$13,950.00
Testing	1	LS	\$6,000.00	\$6,000.00
Contingency(10%)	1	LS	\$17,580.00	\$17,580.00
Total Water Distribution				\$193,380.00
Total Hard Costs				\$261,524.89

Date: December 9, 2009

Revised: July 15, 2010

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File:T:\102 RBS Utils\04 Master Plan\Master Water Plan\Excel\2010_07-15_Water Cost Est\OffSite_Tract B-B_WDS_Cost_07-15-10.xls WATER Cost

PIGEON-ROBERTS ASSOCIATES, LLC
ENGINEERS - PLANNERS - SURVEYORS AND MAPPERS

**Engineers Estimate of Probable Construction Cost of Off-Site Water Mains
To service TRACT 'B-B' (Rainbow's End Golf Course Tract)**

	ESTIMATED QUANTITY	Units	Unit Cost	EXTENSION
Soft Costs				
Preliminary Design/Planning	1	LS	\$4,158.25	\$4,158.25
Surveying Services	1	LS	\$11,514.94	\$11,514.94
		LS	\$0.00	\$0.00
Environmental Services/Tortise Relocation	0	LS	\$0.00	\$0.00
Engineering Services				
Water System design	1	LS	\$9,595.35	\$9,595.35
FDEP permitting Water	1	LS	\$1,500.00	\$1,500.00
FDOT utility permit	1	LS	\$4,500.00	\$4,500.00
Permit fees	1	LS	\$1,000.00	\$1,000.00
		LS		\$0.00
Studies (Traffic & FDOT)		LS		\$0.00
Soil Borings & Testing	1	LS	\$2,500.00	\$2,500.00
Construction Administration Services	1	LS	\$5,118.04	\$5,118.04
Construction Inspections	1	LS	\$5,118.04	\$5,118.04
Final Certifications and As-Builts	1	LS	\$1,597.92	\$1,597.92
		LS	\$0.00	\$0.00
General & Administrative, Legal	1	LS	\$6,396.90	\$6,396.90
Contingency(10%)	1	LS	\$5,299.94	\$5,299.94
Total Soft Costs				\$58,299.38
Total Cost Estimate				\$319,824.27

Notes;

- 1) Does not include easement acquisition cost of financing cost.
- 2) This is a preliminary estimate for general planning purposes only. Costs have been estimated without detailed design or geotechnical investigation
- 3) Costs are based on 2010 estimated construction cost values with no provision for inflation.

Engineers Estimate of Probable Construction Cost To service South US 41 Commercial and TRACT 'F' Interconnect

Description: Off-site Water infrastructure to service commercial tracts on South US 41 (SR 45) corridor and interconnect main with Tract "F" at Rainbow Springs.

ITEM	ESTIMATED QUANTITY	Units	Unit Cost	EXTENSION
General Conditions				
Mobilization/Demobilization	1	LS	\$30,000.00	\$35,000.00
Construction Stakeout & As-Built	1	LS	\$24,000.00	\$24,000.00
Temporary Utilities	1	LS	\$1,000.00	\$1,000.00
FDOT Maintenance of Traffic	1	LS	\$6,500.00	\$6,500.00
Performance / Payment Bond (3.0%)	1	LS	\$19,030.26	\$19,030.26
Contingency (10%)	1	LS	\$8,553.03	\$8,553.03
Total General Conditions				\$94,083.29
Sitework				
Site Clearing	4.00	AC	\$2,280.00	\$9,120.00
Dewatering		LS	\$0.00	\$0.00
Erosion Control / SWPPP	1	LS	\$4,500.00	\$4,500.00
Contingency(10%)	1	LS	\$1,362.00	\$1,362.00
Total Sitework				\$14,982.00
Water Distribution System				
4" PVC Pipe		LF	\$14.00	\$0.00
4" DIP Pipe		LF	\$28.00	\$0.00
4" Gate Valves w/box		EA	\$550.00	\$0.00
6" PVC Pipe		LF	\$16.00	\$0.00
6" DIP Pipe		LF	\$35.00	\$0.00
8" Gate Valves w/box	2	EA	\$950.00	\$1,900.00
8" PVC Pipe C-900 DR 18	40	LF	\$20.00	\$800.00
8"x 8" Wet Tap	2	EA	\$2,800.00	\$5,600.00
12" PVC Pipe C-900 DR 18	9,300	LF	\$28.00	\$260,400.00
12" DIP Class 52		LF	\$45.00	\$0.00
12" Gate Valve w/box	13	EA	\$1,600.00	\$20,800.00
Fire Hydrant Assembly	8	EA	\$2,000.00	\$16,000.00
Blow-Off Assembly	5	EA	\$850.00	\$4,250.00
12"x 12" Wet Tap		EA	\$3,200.00	\$0.00
Jack and Bore 16" casing	0	LF	\$165.00	\$0.00
Jack and Bore 18" casing	810	LF	\$185.00	\$149,850.00
Sod (15' Wide R/W)	14800	SY	\$2.50	\$37,000.00
Testing	1	LS	\$6,000.00	\$6,000.00
Contingency(10%)	1	LS	\$50,260.00	\$50,260.00
Total Water Distribution				\$552,860.00
Total Hard Costs				\$661,925.29

**Engineers Estimate of Probable Construction Cost
To service South US 41 Commercial and TRACT 'F' Interconnect**

ESTIMATED QUANTITY	Units	Unit Cost	EXTENSION
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Soft Costs

Preliminary Design/Planning	1	LS	\$10,524.61	\$10,524.61
Surveying Services	1	LS	\$29,144.57	\$29,144.57
		LS	\$0.00	\$0.00
Environmental Services/Tortise Relocation	0	LS	\$0.00	\$0.00
Engineering Services				
Water System design	1	LS	\$24,286.04	\$24,286.04
FDEP permitting Water	1	LS	\$1,500.00	\$1,500.00
FDOT utility permit	1	LS	\$4,500.00	\$4,500.00
Permit fees	1	LS	\$1,000.00	\$1,000.00
		LS	\$0.00	\$0.00
Studies (Traffic & FDOT)		LS	\$0.00	\$0.00
Soil Borings & Testing	1	LS	\$2,500.00	\$2,500.00
Construction Administration Services	1	LS	\$12,953.88	\$12,953.88
Construction Inspections	1	LS	\$12,953.88	\$12,953.88
Final Certifications and As-Builts	1	LS	\$4,044.36	\$4,044.36
		LS	\$0.00	\$0.00
General & Administrative, Legal	1	LS	\$16,190.69	\$16,190.69
Contingency(10%)	1	LS	\$11,959.80	\$11,959.80

Total Soft Costs

\$131,557.84

Total Cost Estimate

\$793,483.12

Notes;

- 1) Does not include land cost or financing cost.
- 2) This is a preliminary estimate for general planning purposes only. Costs have been estimated based on preliminary design.
- 3) Costs are based on 2010 estimated construction cost values with no provision for inflation.

OPINION OF PROBABLE CONSTRUCTION COST
To service TRACT 'H' at Rainbow Springs
WATER SUPPLY FACILITY (No WELL COST)

Description: Construct new water supply facility in one phase.
Phase 1 : Two (2) public supply wells at approx. 1000 GPM each , control building with electrical controls, auxiliary power generator, chlorination system, hydropneumatic tank(s) , yard piping and site work.

ITEM	DESCRIPTION	COST
1.0	GENERAL	
1.1	MOBILIZATION	\$ 25,000
1.2	BOND & INSURANCE	\$ 9,825
1.3	CONSTRUCTION STAKEOUT/SURVEY	\$ 6,500
1.4	O&M MANUALS	\$ 3,500
1.5	TESTING EXISTING WELLS	\$ 10,000
1.6	CONTINGENCIES (10%)	\$ 5,482
	SUB-TOTAL	\$ 60,307
2.0	SITE WORK	
2.1	CLEARING & GRUBBING	\$ 5,000
2.2	EROSION CONTROL	\$ 3,000
2.3	EARTHWORK	\$ 6,500
2.4	FINISH GRADING	\$ 3,500
2.5	GRASSING	\$ 5,000
2.6	ACCESS ROAD AND PARKING	\$ 10,000
2.7	CHAIN LINK FENCE & GATES	\$ 25,000
2.8	SIGNAGE	\$ 750
2.9	SIDEWALKS & MISCELANEOUS CONCRETE	\$ 8,500
2.10	CONTINGENCIES (10%)	\$ 6,725
	SUB-TOTAL	\$ 73,975
3.0	WATER PLANT COMPONENTS	
3.1	HYDROPNEUMATIC TANKS (TWO)	
3.1.1	ASME CODE TANK, SADDLES, ACCESSORIES	\$ 95,000
	SUB-TOTAL	\$ 95,000
3.2	CONTROL BUILDING	
3.2.1	BUILDING, FIXTURES, PAINTING, ETC.	\$ 35,000
	SUB-TOTAL	\$ 35,000
3.3	ELECTRICAL SYSTEMS	
3.3.1	WIRE, CONDUIT, MCC, LIGHTING, ETC.	\$ 115,000
3.3.2	AUXILIARY POWER GENERATOR	\$ 85,000
	SUB-TOTAL	\$ 200,000
3.4	PIPING	
3.4.1	PIPING, FITTINGS,	\$ 45,000
3.4.2	VALVES & ACCESSORIES	\$ 25,000
	SUB-TOTAL	\$ 70,000
3.5	WELL PUMP AND WELL HEAD	
3.5.1	VERTICAL TURBINES & MOTORS (TWO)	\$ 45,000
3.5.2	PIPING & VALVES, WATER METERS	\$ 35,000
3.5.3	CONCRETE WORK	\$ 9,500
3.5.4	MISC. ACCESSORIES	\$ 20,000
	SUB-TOTAL	\$ 109,500

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Revised: July 15, 2010

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PIGEON - ROBERTS ASSOCIATES, LLC
ENGINEERS-PLANNERS -SURVEYORS MAPPERS

3.6	EQUIPMENT , INSTRUMENTATION & MISCELANEOUS		
3.6.1	1" WATER METER AND SERVICE	\$	1,500
3.6.2	CHLORINATION ANALIZER	\$	4,000
3.6.3	FLOW RECORDER	\$	3,500
3.6.4	TELEPHONE DIALER	\$	2,500
	SUB-TOTAL	\$	11,500
3.7	CHLORINATION SYSTEM		
3.7.1	HYPOCHLORINATION SYSTEM	\$	25,000
	SUB-TOTAL	\$	25,000
3.8	CONSTRUCTION CONTEGENCY (10%)	\$	54,600
	SUB-TOTAL CONSTRUCITON COST ESTIMATE	\$	734,882
4.0	ENGINEERING, GEOTECHNICAL AND ADMINISTRATION		
4.1	ENGINEERING (DESIGN, PERMITTING, CONST.)	\$	55,000
4.2	CONSTRUCTION ADMINISTRATION	\$	25,000
4.3	SPECIAL USE ZONING	\$	15,000
4.4	ADMINISTRATIVE AND LEGAL COSTS	\$	12,000
4.5	PERMIT FEES	\$	5,000
4.6	GEOTECHNICAL INVESTIGATION	\$	4,500
	SUB-TOTAL SOFT COST	\$	116,500
	 TOTAL PROJECT COST	 \$	 851,382

Notes;

- 1) Does not include land cost or financing cost.
- 2) This is a preliminary estimate for general planning purposes only. Costs have been estimated without detailed preliminary design or geotechnical investigation
- 3) Costs is based on using two (2) existing public water supply wells No. 24 and 25 at Tract H.
- 4) Costs are based on 2010 estimated construction cost values with no provision for inflation.

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PIGEON - ROBERTS ASSOCIATES, LLC
ENGINEERS-PLANNERS -SURVEYORS MAPPERS

OPINION OF PROBABLE CONSTRUCTION COST

To service TRACT 'F' at Rainbow Springs

WATER SUPPLY WELLS

Description: TRACT 'F' Public water supply well field is planned with two (2) deep wells, each capable of producing 1,200 GPM. Well casing size is estimated to be 16 inch diameter wells.

WATER SUPPLY WELLS

ITEM	DESCRIPTION	Quantity	Unit Price	Units	Amount
1.0 GENERAL					
1.01	MOBILIZATION	2	\$ 12,000	LS	\$ 24,000
1.02	BOND & INSURANCE (3%)	1		LS	\$ 4,073
1.03	CONSTRUCTION STAKEOUT	2	\$ 1,500	LS	\$ 3,000
1.04	WELL DRILLING REPORT	2	\$ 500	LS	\$ 1,000
1.05	WELL CONSTRUCTION PERMIT W/SWFWMD	2	\$ 500	LS	\$ 1,000
1.06	CONTINGENCIES (10%)	1	\$ 3,307	LS	\$ 3,307
TOTAL					\$ 36,380
2.0 WELL CONSTRUCTION					
2.01	PRE-DRIL 4 INCH PILOT HOLE	170	\$ 15	LF	\$ 2,550
2.02	16" DRIVE SHOE	2	\$ 1,200	EA	\$ 2,400
2.03	20" SURFACE CASING	40	\$ 125	LF	\$ 5,000
2.04	16" API WELL CASING	200	\$ 125	LF	\$ 25,000
2.05	16" OPEN HOLE	400	\$ 85	LF	\$ 34,000
2.06	BOTTOM 5' GROUT	2	\$ 3,500	LS	\$ 7,000
2.07	TOP 20' GROUT	2	\$ 3,000	LS	\$ 6,000
2.08	TEST PUMP INSTALLATION (1250 GPM)	2	\$ 2,500	LS	\$ 5,000
2.09	TEMP RIGHT ANGLE DRIVE INSTALLATION	2	\$ 1,850	LS	\$ 3,700
2.10	AQUIFER PUMP TEST (SPECIFIC CAPACITY	16	\$ 175	LS	\$ 2,800
2.11	ALIGNMENT/PLUMBNESS TEST	2	\$ 150	LS	\$ 300
2.12	CONTINGENCIES (10%)	1	\$ 9,375	LS	\$ 9,375
TOTAL					\$ 93,750
3.0 WATER QUALITY TESTING					
3.01	FDEP REQUIRED DRINKING WATER TEST	2	\$ 5,000	LS	\$ 10,000
3.02	20 DAY BACTERIOLOGICAL TEST	2	\$ 1,500	LS	\$ 3,000
3.03	CONTINGENCIES (10%)	1	\$ 1,300	LS	\$ 1,300
TOTAL					\$ 13,000
SUB-TOTAL CONSTRUCTION COST ESTIMATE					\$ 143,130
4.0 ENGINEERING, GEOTECHNICAL AND ADMINISTRATION					
4.1	ENGINEERING (DESIGN, PERMITTING, CONST.)				\$ 25,000
4.2	CONSTRUCTION ADMINISTRATION				\$ 8,500
4.3	ADMINISTRATIVE AND LEGAL COSTS				\$ 5,000
4.4	PERMIT FEES				\$ 1,000
4.5	HYDROLOGIST / GEOTECHNICAL CONSULTANT				\$ 5,000
SUB-TOTAL SOFT COST					\$ 44,500
TOTAL PROJECT COST					\$ 187,630

Notes;

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PIGEON - ROBERTS ASSOCIATES, LLC
ENGINEERS-PLANNERS-SURVEYORS MAPPERS

OPINION OF PROBABLE CONSTRUCTION COST
TRACT 'F' at Rainbow Springs
WATER SUPPLY FACILITY (No WELL COST) - Phase 1

Description: Construct new water supply facility in two phases.

Phase 1 : Two (2) public supply wells at approx. 1000 GPM each , control building with electrical controls, auxiliary power generator, chlorination system, hydropneumatic tank(s) , yard piping and site work.

Phase 2: Ground level water storage tank, high service pumping facilities, controls and metering, operator room and site work.

PHASE 1 FACILITIES:

ITEM	DESCRIPTION	COST
1.0	GENERAL	
1.1	MOBILIZATION	\$ 35,000
1.2	BOND & INSURANCE	\$ 10,137
1.3	CONSTRUCTION STAKEOUT/SURVEY	\$ 7,500
1.4	O&M MANUALS	\$ 3,500
1.5	TESTING	\$ 6,000
1.6	CONTINGENCIES (10%)	\$ 6,214
	SUB-TOTAL	\$ 68,351
2.0	SITE WORK	
2.1	CLEARING & GRUBBING	\$ 5,000
2.2	EROSION CONTROL	\$ 3,000
2.3	EARTHWORK	\$ 6,500
2.4	FINISH GRADING	\$ 3,500
2.5	GRASSING	\$ 8,500
2.6	ACCESS ROAD AND PARKING	\$ 10,000
2.7	CHAIN LINK FENCE & GATES	\$ 25,000
2.8	SIGNAGE	\$ 750
2.9	SIDEWALKS & MISCELANEOUS CONCRETE	\$ 8,500
2.10	CONTINGENCIES (10%)	\$ 7,075
	SUB-TOTAL	\$ 77,825
3.0	WATER PLANT COMPONENTS	
3.1	HYDROPNEUMATIC TANKS (TWO)	
3.1.1	ASME CODE TANK, SADDLES, ACCESSORIES	\$ 95,000
	SUB-TOTAL	\$ 95,000
3.2	CONTROL BUILDING	
3.2.1	BUILDING, FIXTURES, PAINTING, ETC.	\$ 35,000
	SUB-TOTAL	\$ 35,000
3.3	ELECTRICAL SYSTEMS	
3.3.1	WIRE, CONDUIT, MCC, LIGHTING, ETC.	\$ 115,000
3.3.2	AUXILIARY POWER GENERATOR	\$ 85,000
	SUB-TOTAL	\$ 200,000
3.4	PIPING	
3.4.1	PIPING, FITTINGS,	\$ 45,000
3.4.2	VALVES & ACCESSORIES	\$ 25,000
	SUB-TOTAL	\$ 70,000
3.5	WELL PUMP AND WELL HEAD	
3.5.1	VERTICAL TURBINES & MOTORS (TWO)	\$ 45,000
3.5.2	PIPING & VALVES, WATER METERS	\$ 40,000

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PIGEON - ROBERTS ASSOCIATES, LLC
 ENGINEERS-PLANNERS -SURVEYORS MAPPERS

3.5.3	CONCRETE WORK	\$	9,500
3.5.4	MISC. ACCESSORIES	\$	20,000
	SUB-TOTAL	\$	114,500
3.6	EQUIPMENT , INSTRUMENTATION & MISCELANEOUS		
3.6.1	1" WATER METER AND SERVICE	\$	1,500
3.6.2	CHLORINATION ANALIZER	\$	4,000
3.6.3	FLOW RECORDER	\$	3,500
3.6.4	TELEPHONE DIALER	\$	2,500
	SUB-TOTAL	\$	11,500
3.7	CHLORINATION SYSTEM		
3.7.1	HYPOCHLORINATION SYSTEM	\$	26,000
	SUB-TOTAL	\$	26,000
3.8	CONTINGENCIES (10%)	\$	55,200
	SUB-TOTAL CONSTRUCITON COST ESTIMATE	\$	753,376
4.0	ENGINEERING, GEOTECHNICAL AND ADMINISTRAITON		
4.1	ENGINEERING (DESIGN, PERMITTING, CONST.)	\$	65,000
4.2	CONSTRUCTION ADMINISTRATION	\$	25,000
4.3	SPECIAL USE ZONING	\$	15,000
4.4	ADMINISTRATIVE AND LEGAL COSTS	\$	12,000
4.5	PERMIT FEES	\$	5,000
4.6	GEOTECHNICAL INVESTIGATION	\$	4,500
	SUB-TOTAL SOFT COST	\$	126,500
	TOTAL PROJECT COST	\$	879,876

Notes;

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- 3) Costs are based on 2010 estimated construction cost values with no provision for inflation.

OPINION OF PROBABLE CONSTRUCTION COST
To Service TRACT 'F' at Rainbow Springs
WATER SUPPLY FACILITY (No WELL COST) - Phase 2

Description: Phase 2: Ground level water storage tank, high service pumping facilities, controls and metering, operator room and site work.

PHASE 2 FACILITIES:

ITEM	DESCRIPTION	COST
1.0	GENERAL	
1.1	MOBILIZATION	\$ 25,000
1.2	BOND & INSURANCE	\$ 16,106
1.3	CONSTRUCTION STAKEOUT	\$ 6,500
1.4	O&M MANUALS	\$ 4,500
1.5	TESTING	\$ 3,500
1.6	CONTINGENCIES (10%)	\$ 5,561
	SUB-TOTAL	\$ 61,167
2.0	SITE WORK	
2.1	CLEARING & GRUBBING	\$ 3,500
2.2	EROSION CONTROL	\$ 2,500
2.3	EARTHWORK and SITE PREP	\$ 7,500
2.4	FINISH GRADING	\$ 2,500
2.5	GRASSING	\$ 3,500
2.6	LANDSCAPING	\$ 8,000
2.7	SIDEWALKS & MISCELANEOUS CONCRETE	\$ 5,000
2.8	CONTINGENCIES (10%)	\$ 3,250
	SUB-TOTAL	\$ 35,750
3.0	WATER PLANT COMPONENTS	
3.1	GROUND LEVEL STORAGE TANK (300,000 GALLON)	
3.1.1	COMPOSITE TANK, FOUNDATION, ACCESSORIES	\$ 420,000
	SUB-TOTAL	\$ 420,000
3.2	CONTROL BUILDING EXPANSION	
3.2.1	BUILDING, FIXTURES, PAINTING, ETC.	\$ 85,000
	SUB-TOTAL	\$ 85,000
3.3	ELECTRICAL SYSTEMS	
3.3.1	WIRE, CONDUIT, MCC, LIGHTING, ETC.	\$ 65,000
3.3.2	MCC AND PUMP CONTROLS	\$ 125,000
3.3.3	SITE LIGHTING	\$ 4,500
	SUB-TOTAL	\$ 194,500
3.4	PIPING	
3.4.1	PIPING, FITTINGS,	\$ 75,000
3.4.2	VALVES & ACCESSORIES	\$ 42,000
	SUB-TOTAL	\$ 117,000
3.5	HIGH SERVICE PUMPS (THREE)	
3.5.1	PUMPS & MOTORS	\$ 54,000
3.5.2	PIPING & VALVES	\$ 32,000
3.5.3	VALVES & ACCESSORIES	\$ 28,000
3.5.4	MISC. ACCESSORIES	\$ 20,000
	SUB-TOTAL	\$ 134,000
3.6	EQUIPMENT , INSTRUMENTATION & MISCELANEOUS	
3.6.1	FLOW METER	\$ 6,500
3.6.2	RECIRCULATION PUMPS	\$ 20,000

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PIGEON - ROBERTS ASSOCIATES, LLC
 ENGINEERS-PLANNERS -SURVEYORS MAPPERS

3.6.3	LAB EQUIPMENT AND TOOLS	\$	15,000
3.6.4	SPARE PARTS	\$	10,000
	SUB-TOTAL	\$	51,500
3.8	CONTINGENCIES (10%)	\$	100,200
	SUB-TOTAL CONSTRUCTION COST ESTIMATE	\$	1,199,117
4.0	ENGINEERING, GEOTECHNICAL AND ADMINISTRATION		
4.1	ENGINEERING (DESIGN, PERMITTING, CONST.)	\$	75,000
4.2	CONSTRUCTION ADMINISTRATION	\$	30,000
4.3	TESTING	\$	2,500
4.4	ADMINISTRATIVE AND LEGAL COSTS	\$	10,000
4.5	PERMIT FEES	\$	2,000
4.6	GEOTECHNICAL INVESTIGATION	\$	3,500
	SUB-TOTAL SOFT COST	\$	123,000
	TOTAL PROJECT COST	\$	1,322,117

Notes;

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- 2) This is a preliminary estimate for general planning purposes only. Costs have been estimated without detailed preliminary design or geotechnical investigation
- 3) Costs are based on 2010 estimated construction cost values with no provision for inflation.

EXHIBIT "5"

REVISED TARIFF SHEETS

DOCUMENT NUMBER-DATE

09345 NOV 12 9

FPSC-COMMISSION CLERK

NAME OF COMPANY RAINBOW SPRINGS UTILITIES, L.C.
 WATER TARIFF

SERVICE AVAILABILITY SCHEDULE OF FEES AND CHARGES

<u>DESCRIPTION</u>	<u>AMOUNT</u>	<u>REFER TO SHEET NO.</u>
<u>Meter Installation Fee</u>		
5/8" x 3/4" metered service	\$ 180.00	24.2
1" metered service	Actual Cost [1]	24.2
1 1/2" metered service	Actual Cost [1]	24.2
2" metered service	Actual Cost [1]	24.2
Over 2" metered service	Actual Cost [1]	24.2
<u>Guaranteed Revenue Charge</u>		N/A
With Prepayment of Service Availability Charges:		
Residential-per ERC/month (350) GPD .	\$ Min. monthly rate	24.3
All others-per gallon/month	\$ Min. monthly rate	24.3
Without Prepayment of Service Availability Charges:		
Residential-per ERC/month (____) GPD .	\$ N/A	
All others-per gallon/month	\$ N/A	
<u>Inspection Fee</u>	Actual Cost [1]	31.2
<u>Main Extension Charge</u>		
Residential-per ERC/month (1081) GPD	\$1,000.00	24.0
All others-per gallon/month	\$ 2.86	24.0
<u>Plan Review Charge</u>	Actual Cost [1]	24.2
<u>Application Charge</u>	N/A	N/A
<u>Recording Charge</u>	N/A	N/A
<u>Legal Review Charge</u>	N/A	N/A
<u>Plant Capacity Charge</u>		
Residential-per ERC (1081) GPD. . . .	\$1,355.00	24.1
All others-per gallon	\$ 3.87	24.1
<u>System Capacity Charge</u>		
Residential-per ERC	\$ N/A	N/A
All others-per gallon	\$ N/A	N/A

[1] Actual Cost is equal to the total cost incurred for services rendered to a customer, plus appropriate overhead associated with installation.

EFFECTIVE DATE -

TYPE OF FILING -

LOWELL SMALLRIDGE
 ISSUING OFFICER

AGENT FOR MANAGING MEMBERS
 TITLE

NAME OF COMPANY RAINBOW SPRINGS UTILITIES, L.C.
WATER TARIFF

SERVICE AVAILABILITY AND MAIN EXTENSION POLICY
WATER AND WASTEWATER

1.0 GENERAL

The Utility adopts and incorporates herein by reference, Part IX, Chapter 25-10, Florida Administrative Code (F.A.C.).

2.0 AVAILABILITY

The provisions of this policy are available throughout the territory subject to matters of economic feasibility as defined by Rule 25-10.121(9), F.A.C.

3.0 ON-SITE FACILITIES INSTALLED BY CONTRIBUTOR

On-site transmission, distribution, and other water and wastewater facilities where provided by the Contributor will be done pursuant to the requirements and specifications of the Utility. Service to the facilities outside the point of delivery as defined by Rule 25-10.15(8), F.A.C., shall be conveyed to the Utility by a bill of sale together with perpetual right-of-way and easements for appropriate access to facilities as well as complete as-built plans for all such lines and facilities together with accurate cost records establishing the construction costs of all Utility facilities as a condition precedent to their acceptance by the Utility and the initiation of service.

3.1 ON-SITE FACILITIES INSTALLED BY UTILITY

Where on-site transmission, distribution, and other water and wastewater facilities are installed by utility the following extension fees shall be applicable:

WATER MAIN EXTENSION FEE

Residential = \$1,000.00 per ERC
All others = \$ 2.86 per gallon
(per month)

WASTEWATER MAIN EXTENSION FEE

Residential = \$2,400.00 per ERC
All others = \$ 15.00 per gallon
(per month)

(Continued to 24.1)

LOWELL SMALLRIDGE
ISSUING OFFICER

AGENT FOR MANAGING MEMBERS
TITLE

NAME OF COMPANY RAINBOW SPRINGS UTILITIES, L.C.
WATER TARIFF

(Continued from 24.0)

4.0 OFF-SITE FACILITIES

Off-site transmissions and distribution systems shall be provided by the Contributor in accordance with the Utility's specifications and conveyed to the Utility by bill of sale with necessary maintenance and replacement easements and rights-of-way together with as-built drawings of the facilities and accurate cost records establishing the construction cost of the facilities, to include material, labor, engineering, administrative, and other related costs, as a condition precedent to their acceptance by the Utility and the initiation of service.

5.0 REFUNDABLE DEPOSITS

If the off-site or on-site facilities can serve other areas than those of the Contributor, the service company may require that they be oversized to enable service to be provided to additional territory and that the Contributor advance the cost of such oversize facilities. So much of the cost as exceeds the hydraulic share of the Contributor will be refunded by the Utility as refundable advances over a period not to exceed five years, from extension fees paid by other Contributors connecting to the main or mains in accordance with their hydraulic share.

6.0 PLANT CAPACITY FEES

In addition to the foregoing fees, developer shall pay plant capacity fees as follows:

WASTEWATER PLANT capacity charges
Residential per ERC = \$3,125
All others - per gallon \$19.53

WATER PLANT capacity charges
Residential per ERC = \$1,355
All others - per gallon \$ 3.87

(Continued on 24.2)

LOWELL SMALLRIDGE
ISSUING OFFICER

AGENT FOR MANAGING MEMBERS
TITLE

NAME OF COMPANY RAINBOW SPRINGS UTILITIES, L.C.
WATER TARIFF

(Continued from 24.1)

7.0 WATER METER INSTALLATION CHARGES

The Utility will require prior to the commencement of water service, that the following schedule of connection charges be paid to the Utility as a prerequisite for service per meter required.

<u>Meter Size</u>	<u>Installation Charge</u>
5/8" x 3/4"	\$ 180.00

Water meters larger than 5/8" x 3/4" will be installed pursuant to agreement between the Contributor and the Utility, where Contributor will pay an installation fee that will equal the Utility's cost of installation and appropriate overhead associated with installation.

8.0 INSPECTION FEES

Engineering plans or designs for, or construction of facilities by a Contributor which are to become a part of Utility's system will be subject to review and inspection by the Utility. For this service, Utility may charge an inspection and plan review fee based upon the actual or average cost of the Utility for review of plans and inspection of facilities constructed by Contributor for independent contractors for connection with the facilities of the Utility. Such inspection fees shall be paid by a Contributor in addition to all other charges above stated, as a condition precedent to service.

9.0 INSPECTION OF PLUMBER'S HOOK-UP

It shall be the responsibility of the Contributor or its plumbing contractor to connect Contributor's plumbing installation with the wastewater collection system. The Utility reserves the right to inspect all such connections to be assured that the same are properly made in accordance with the Utility's rules

(Continued to 24.3)

LOWELL SMALLRIDGE
ISSUING OFFICER

AGENT FOR MANAGING MEMBERS
TITLE

NAME OF COMPANY RAINBOW SPRINGS UTILITIES, L.C.
 WASTEWATER TARIFF

SERVICE AVAILABILITY SCHEDULE OF FEES AND CHARGES

<u>DESCRIPTION</u>	<u>AMOUNT</u>	<u>REFER TO SHEET NO.</u>
<u>Customer Connection (Tap-in Charge)</u>		
5/8" x 3/4" metered service	\$ 50.00	22.2
1" metered service	Actual Cost [1]	22.2
1 1/2" metered service	Actual Cost [1]	22.2
2" metered service	Actual Cost [1]	22.2
Over 2" metered service	Actual Cost [1]	22.2
<u>Guaranteed Revenue Charge</u>		
		N/A
<u>With Prepayment of Service Availability Charges:</u>		
Residential-per ERC/month (350) GPD	\$ Min. monthly rate	22.3
All others-per gallon/month	\$ Min. monthly rate	22.3
<u>Without Prepayment of Service Availability Charges:</u>		
Residential-per ERC/month (___) GPD	\$ N/A	
All others-per gallon/month	\$ N/A	
<u>Inspection Fee</u>	Actual Cost	22.2
<u>Main Extension Charge</u>		
Residential-per ERC/month (160) GPD	\$2,400.00	22.0
All others-per gallon/month	\$ 15.00	22.0
<u>Plan Review Charge</u>	Actual Cost [1]	22.2
<u>Application Charge</u>	N/A	N/A
<u>Recording Charge</u>	N/A	N/A
<u>Legal Review Charge</u>	N/A	N/A
<u>Plant Capacity Charge</u>		
Residential-per ERC (160 GPD)	\$ 3,125.00	22.1
All others-per gallon	\$ 19.53 with a min. \$3,125.00	
<u>System Capacity Charge</u>		
Residential-per ERC	\$ N/A	N/A
All others-per gallon	\$ N/A	

[1] Actual Cost is equal to the total cost incurred for services rendered by a customer.

EFFECTIVE DATE -
TYPE OF FILING -

LOWELL SMALLRIDGE
 ISSUING OFFICER

AGENT FOR MANAGING MEMBERS
 TITLE

NAME OF COMPANY RAINBOW SPRINGS UTILITIES, L.C.
WASTEWATER TARIFF

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WATER AND WASTEWATER

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(Continued to 22.1)

LOWELL SMALLRIDGE
ISSUING OFFICER

AGENT FOR MANAGING MEMBERS
TITLE

NAME OF COMPANY RAINBOW SPRINGS UTILITIES, L.C.
WASTEWATER TARIFF

(Continued from 22.0)

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(Continued to 22.2)

LOWELL SMALLRIDGE
ISSUING OFFICER

AGENT FOR MANAGING MEMBERS
TITLE

NAME OF COMPANY RAINBOW SPRINGS UTILITIES, L.C.
WASTEWATER TARIFF

(Continued from 22.1)

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(Continued to 22.3)

LOWELL SMALLRIDGE
ISSUING OFFICER

AGENT FOR MANAGING MEMBERS
TITLE

EXHIBIT "6"

AFFIDAVIT OF PUBLICATION (LATE-FILED) AND NOTICE

No persons in the service area included in this Application have filed a written request for service or been provided a written estimate for service within the 12 calendar months prior to the month this Application is being filed. As such, no mailed notice has been provided.

A published notice of this Application, including all of the information required by Rule 25-30.4345(3)(d) is to be published in a newspaper of general circulation in the service area included in the Application. An Affidavit of such publication will be filed as soon as received after the publication date.

NOTICE

Issued on _____, 2010

Rainbow Springs Utilities, L.C., a wastewater utility regulated by the Florida Public Service Commission, has filed a Petition for revised service availability charges with the Commission. The requested changes to service availability charges are to pay for growth in the utility system. As such, these charges are to be paid by new, not existing, customers of the utility. Copies of the Application filed with the Public Service Commission are available for public inspection during the hours of 9:00 a.m. to 4:00 p.m., Monday through Friday at the Utilities Offices. The office address and phone number for the utility is as follows:

Rainbow Springs Utilities, L.C.
11373 N Williams Street
Dunnellon, FL 34432
Telephone: (352) 489-9153

Outlined below are a comparison of the present and proposed charges for service availability for Rainbow Springs Utilities, L.C.

	<u>Present Charges</u>	<u>Proposed Charges</u>
<u>Water</u>		
<u>Residential</u>		
Plant Capacity Charge per ERC	\$ 208	\$ 1,355
Main Extension Charge per ERC	342	1,000
Meter Fee	65	180
<u>General Service</u>		
Plant Capacity Charge per gallon (350 GPD)	0.19	3.87
Plant Capacity Charge - Minimum charge per ERC	208	1,355
Main Extension Charge per gallon (350 GPD)	0.32	2.86
Main Extension Charge - Minimum charge per ERC	342	1,000
<u>Wastewater</u>		
<u>Residential</u>		
Plant Capacity Charge per ERC	767	3,125
Main Extension Charge per ERC	740	2,400
<u>General Service</u>		
Plant Capacity Charge per gallon (160 GPD)	4.79	19.53
Plant Capacity Charge - Minimum charge per ERC	767	3,125
Main Extension Charge per gallon (160 GPD)	4.63	15.00
Main Extension Charge - Minimum charge per ERC	740	2,400

Any comments concerning the policy or changes proposed in that Application should be addressed to: Director of Records and Reporting, 2540 Shumard Oaks Boulevard, Tallahassee, Florida, 32399-0870, with a copy to: F. Marshall Deterding, Esquire, Rose, Sundstrom & Bentley, LLP, 2548 Blairstone Pines Drive, Tallahassee, Florida, 32301.

Rainbow Springs Utilities, L.C.