

**Arredondo Estates**

Docket No. 060368-WS

Application to Increase Rates and Charges  
For a "Class A" Utility

In

Florida

**VOLUME 6**

**Book 7**

**Set 2 of 57**

Containing  
Additional Engineering Requirements

Monthly Operating Reports

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**Aqua Utilities Florida, Inc.**

DOCUMENT NUMBER-DATE

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FPSC-COMMISSION CLERK

# Aqua Utilities Florida, Inc. Monthly Operating Reports

## Arredondo Estates

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## MONTHLY OPERATION REPORT FOR PWSs TREATING RAW GROUND WATER OR PURCHASED FINISHED WATER

See page 4 for instructions

**I. General Information for the Month/Year of: January-04**

A. Public Water System (PWS) Information	
PWS Name: Arredondo Estates	PWS Identification Number: 2010041
PWS Type: <input checked="" type="checkbox"/> Community <input type="checkbox"/> Non-Transient Non-Community <input type="checkbox"/> Transient Non-Community <input type="checkbox"/> Consecutive	
Number of Service Connections at End of Month: 247	Total Population Served at End of Month: 519
PWS Owner: AquaSource Utility, Inc.	
Contact Person: Michael Fitzgerald	Contact Person's Title: Area Manager - Florida
Contact Person's Mailing Address: 1343 NE 17th Road	City: Ocala State: FL Zip Code: 34470
Contact Person's Telephone Number: (352) 369-4881	Contact Person's Fax Number: (352) 732-3213
Contact Person's E-Mail Address: mvfitzgerald@suburbanwater.com	

B. Water Treatment Plant Information				
Plant Name: Arredondo Estates	Plant Telephone Number: (352) 369-4881			
Plant Address: 5517 S.W. Archer Road	City: Gainesville State: FL Zip Code: 32608			
Type of Water Treated by Plant: <input checked="" type="checkbox"/> Raw Ground Water <input type="checkbox"/> Purchased Finished Water				
Permitted Maximum Day Operating Capacity of Plant, gallons per day:				
Plant Category (per subsection 62-699.310(4), F.A.C.):	Plant Class (per subsection 62-699.310(4), F.A.C.):			
Licensed Operators	Name	License Class	License Number	Day(s)/Shift(s) Worked
Lead/Chief Operator:	Mark March	C	8287	6 Days per week
Other Operators:				6 Days per week

**II. Certification by Lead/Chief Operator**

I, the undersigned water treatment plant operator licensed in Florida, am the lead/chief operator of the water treatment plant identified in Part I of this report. I certify that the information provided in this report is true and accurate to the best of my knowledge. I certify that all drinking water treatment chemicals used at this plant conform to NSF International Standard 60 or other applicable standards referenced in subsection 62-555.320(3), F.A.C. I also certify that the following additional operations records for this plant were prepared each day that a licensed operator staffed or visited this plant during the month indicated above: (1) records of amounts of chemicals used and chemical feed rates; and (2) if applicable, appropriate treatment process performance records. Furthermore, I agree to provide these additional operations records to the PWS owner so the PWS owner can retain them, together with copies of this report, at a convenient location for at least ten years.

Signature and Date	<u>Mark March</u> Printed or Typed Name	<u>C8287</u> License Number
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## MONTHLY OPERATION REPORT FOR PWSs TREATING RAW GROUND WATER OR PURCHASED FINISHED WATER

See page 4 for instructions

**I. General Information for the Month/Year of:** February-04

**A. Public Water System (PWS) Information**

PWS Name: Arredondo Estates		PWS Identification Number: 2010041	
PWS Type: <input checked="" type="checkbox"/> Community		<input type="checkbox"/> Non-Transient Non-Community	
<input type="checkbox"/> Transient Non-Community		<input type="checkbox"/> Consecutive	
Number of Service Connections at End of Month: 247		Total Population Served at End of Month: 519	
PWS Owner: AquaSource Utility, Inc.			
Contact Person: Michael Fitzgerald		Contact Person's Title: Area Manager - Florida	
Contact Person's Mailing Address: 1343 NE 17th Road		City: Ocala	State: FL
Contact Person's Telephone Number: (352) 369-4881		Zip Code: 34470	
Contact Person's E-Mail Address: mvfitzgerald@suburbanwater.com		Contact Person's Fax Number: (352) 732-3213	

**B. Water Treatment Plant Information**

Plant Name: Arredondo Estates		Plant Telephone Number: (352) 369-4881		
Plant Address: 5517 S.W. Archer Road		City: Gainesville	State: FL	
Type of Water Treated by Plant: <input checked="" type="checkbox"/> Raw Ground Water		<input type="checkbox"/> Purchased Finished Water		
Permitted Maximum Day Operating Capacity of Plant, gallons per day:				
Plant Category (per subsection 62-699.310(4), F.A.C.):		Plant Class (per subsection 62-699.310(4), F.A.C.):		
Licensed Operators	Name	License Class	License Number	Day(s)/Shift(s) Worked
Lead/Chief Operator:	Mark March	C	8287	6 Days per week
Other Operators:				6 Days per week

**II. Certification by Lead/Chief Operator**

I, the undersigned water treatment plant operator licensed in Florida, am the lead/chief operator of the water treatment plant identified in Part I of this report. I certify that the information provided in this report is true and accurate to the best of my knowledge. I certify that all drinking water treatment chemicals used at this plant conform to NSF International Standard 60 or other applicable standards referenced in subsection 62-555.320(3), F.A.C. I also certify that the following additional operations records for this plant were prepared each day that a licensed operator staffed or visited this plant during the month indicated above: (1) records of amounts of chemicals used and chemical feed rates; and (2) if applicable, appropriate treatment process performance records. Furthermore, I agree to provide these additional operations records to the PWS owner so the PWS owner can retain them, together with copies of this report, at a convenient location for at least ten years.

\_\_\_\_\_  
Signature and Date

Mark March  
\_\_\_\_\_  
Printed or Typed Name

C8287  
\_\_\_\_\_  
License Number

**MONTHLY OPERATION REPORT FOR PWSs TREATING RAW GROUND WATER OR PURCHASED FINISHED WATER**

PWS Identification Number: 2010041 Plant Name: Arredondo Estates

III. Daily Data for the Month/Year of: **February-04**

Means of Achieving Four-Log Virus Inactivation/Removal: \*  Free Chlorine  Chlorine Dioxide  Ozone  Combined Chlorine (Chloramines)

Type of Disinfectant Residual Maintained in Distribution System:  Ultraviolet Radiation  Other (Describe):

Free Chlorine  Combined Chlorine (Chloramines)  Chlorine Dioxide

Days Staffed	Plant or Visited by Operator	Day of the Month ("X")	Operation Plant in Hours	Net Quantity of Finished Water Produced, gal	Peak Flow Rate, gpd	Lowest Residual Disinfectant Concentration (T) at Contact Time Before or During Customer Measurement (C) Before or at First Customer Point During Peak Flow	Disinfectant Provided Before or During Customer Measurement (T) at Contact Time Before or During Peak Flow	Temp. of Water, C	pH of Water, if Applicable	Minimum CT Required, mg-min/L	Lowest Operating UV Dose, sec/cm2	Minimum UV Dose, mW-sec/cm2	Required UV Dose, mW-sec/cm2	System, mg/L	Emergency or Abnormal Operating Conditions, Repair or Maintenance Work that Involves Taking Water System Components Out of Operation
1	X	24 hrs	96,000												
2	X	24 hrs	36,000												
3	X	24 hrs	36,000												
4	X	24 hrs	40,000												
5	X	24 hrs	43,000												
6	X	24 hrs	42,000												
7	X	24 hrs	46,000												
8	X	24 hrs	46,000												
9	X	24 hrs	41,000												
10	X	24 hrs	40,000												
11	X	24 hrs	39,000												
12	X	24 hrs	36,000												
13	X	24 hrs	34,000												
14	X	24 hrs	49,500												
15	X	24 hrs	49,500												
16	X	24 hrs	42,000												
17	X	24 hrs	37,000												
18	X	24 hrs	54,000												
19	X	24 hrs	50,000												
20	X	24 hrs	40,500												
21	X	24 hrs	40,500												
22	X	24 hrs	53,000												
23	X	24 hrs	43,000												
24	X	24 hrs	52,000												
25	X	24 hrs	41,000												
26	X	24 hrs	51,000												
27	X	24 hrs	51,000												
28	X	24 hrs	48,000												
29		24 hrs	48,000												
30		24 hrs													
31		24 hrs													
Total			1,325,000												
Average			45,690												
Maximum			96,000												

\* Refer to the instructions for this report to determine which plants must provide this information.



# MONTHLY OPERATION REPORT FOR PWSs TREATING RAW GROUND WATER OR PURCHASED FINISHED WATER

PWS Identification Number: 2010041 Plant Name: Arredondo Estates

III. Daily Data for the Month/Year of: **March-04**

Means of Achieving Four-Log Virus Inactivation/Removal: \*  Free Chlorine  Chlorine Dioxide  Ozone  Combined Chlorine (Chloramines)

Ultraviolet Radiation  Other (Describe):

Type of Disinfectant Residual Maintained in Distribution System:  Free Chlorine  Combined Chlorine (Chloramines)  Chlorine Dioxide

Days	Shiftd	Plant	Staffed	or	Visited	by	Day of	Operator	the	Month	("X")	Operation	Plant in	Hours	of Finished	Water	Produced, gal	Peak Flow	Rate, gpd	Peak Flow	Flow, mg/L	During Peak	First Customer	Point During	Peak Flow,	mg-mn/L	Customer	Temp	of	Water,	C	pH of	Water, if	Applicable	mg-mn/L	Required,	CT	Minimum	Operating	Lowest	UV Dose,	sec/cm2	Required,	mW	UV Dose,	sec/cm2	Minimum	Concentration	Disinfectant	Lowest	Residual	Emergency or Abnormal Operating Conditions, Repair or Maintenance Work that Involves Taking Water System Components Out of Operation	Point in	Distribution	System, mg/L	1.2	1.3	1.4	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	X	24 hrs	67,000	68,500	69,000	70,000	71,000	72,000	73,000	74,000	75,000	76,000	77,000	78,000	79,000	80,000	81,000	82,000	83,000	84,000	85,000	86,000	87,000	88,000	89,000	90,000	91,000	92,000	93,000	94,000	95,000	96,000	97,000	98,000	99,000	100,000	101,000	102,000	103,000	104,000	105,000	106,000	107,000	108,000	109,000	110,000	111,000	112,000	113,000	114,000	115,000	116,000	117,000	118,000	119,000	120,000	121,000	122,000	123,000	124,000	125,000	126,000	127,000	128,000	129,000	130,000	131,000	132,000	133,000	134,000	135,000	136,000	137,000	138,000	139,000	140,000	141,000	142,000	143,000	144,000	145,000	146,000	147,000	148,000	149,000	150,000	151,000	152,000	153,000	154,000	155,000	156,000	157,000	158,000	159,000	160,000	161,000	162,000	163,000	164,000	165,000	166,000	167,000	168,000	169,000	170,000	171,000	172,000	173,000	174,000	175,000	176,000	177,000	178,000	179,000	180,000	181,000	182,000	183,000	184,000	185,000	186,000	187,000	188,000	189,000	190,000	191,000	192,000	193,000	194,000	195,000	196,000	197,000	198,000	199,000	200,000	201,000	202,000	203,000	204,000	205,000	206,000	207,000	208,000	209,000	210,000	211,000	212,000	213,000	214,000	215,000	216,000	217,000	218,000	219,000	220,000	221,000	222,000	223,000	224,000	225,000	226,000	227,000	228,000	229,000	230,000	231,000	232,000	233,000	234,000	235,000	236,000	237,000	238,000	239,000	240,000	241,000	242,000	243,000	244,000	245,000	246,000	247,000	248,000	249,000	250,000	251,000	252,000	253,000	254,000	255,000	256,000	257,000	258,000	259,000	260,000	261,000	262,000	263,000	264,000	265,000	266,000	267,000	268,000	269,000	270,000	271,000	272,000	273,000	274,000	275,000	276,000	277,000	278,000	279,000	280,000	281,000	282,000	283,000	284,000	285,000	286,000	287,000	288,000	289,000	290,000	291,000	292,000	293,000	294,000	295,000	296,000	297,000	298,000	299,000	300,000	301,000	302,000	303,000	304,000	305,000	306,000	307,000	308,000	309,000	310,000	311,000	312,000	313,000	314,000	315,000	316,000	317,000	318,000	319,000	320,000	321,000	322,000	323,000	324,000	325,000	326,000	327,000	328,000	329,000	330,000	331,000	332,000	333,000	334,000	335,000	336,000	337,000	338,000	339,000	340,000	341,000	342,000	343,000	344,000	345,000	346,000	347,000	348,000	349,000	350,000	351,000	352,000	353,000	354,000	355,000	356,000	357,000	358,000	359,000	360,000	361,000	362,000	363,000	364,000	365,000	366,000	367,000	368,000	369,000	370,000	371,000	372,000	373,000	374,000	375,000	376,000	377,000	378,000	379,000	380,000	381,000	382,000	383,000	384,000	385,000	386,000	387,000	388,000	389,000	390,000	391,000	392,000	393,000	394,000	395,000	396,000	397,000	398,000	399,000	400,000	401,000	402,000	403,000	404,000	405,000	406,000	407,000	408,000	409,000	410,000	411,000	412,000	413,000	414,000	415,000	416,000	417,000	418,000	419,000	420,000	421,000	422,000	423,000	424,000	425,000	426,000	427,000	428,000	429,000	430,000	431,000	432,000	433,000	434,000	435,000	436,000	437,000	438,000	439,000	440,000	441,000	442,000	443,000	444,000	445,000	446,000	447,000	448,000	449,000	450,000	451,000	452,000	453,000	454,000	455,000	456,000	457,000	458,000	459,000	460,000	461,000	462,000	463,000	464,000	465,000	466,000	467,000	468,000	469,000	470,000	471,000	472,000	473,000	474,000	475,000	476,000	477,000	478,000	479,000	480,000	481,000	482,000	483,000	484,000	485,000	486,000	487,000	488,000	489,000	490,000	491,000	492,000	493,000	494,000	495,000	496,000	497,000	498,000	499,000	500,000	501,000	502,000	503,000	504,000	505,000	506,000	507,000	508,000	509,000	510,000	511,000	512,000	513,000	514,000	515,000	516,000	517,000	518,000	519,000	520,000	521,000	522,000	523,000	524,000	525,000	526,000	527,000	528,000	529,000	530,000	531,000	532,000	533,000	534,000	535,000	536,000	537,000	538,000	539,000	540,000	541,000	542,000	543,000	544,000	545,000	546,000	547,000	548,000	549,000	550,000	551,000	552,000	553,000	554,000	555,000	556,000	557,000	558,000	559,000	560,000	561,000	562,000	563,000	564,000	565,000	566,000	567,000	568,000	569,000	570,000	571,000	572,000	573,000	574,000	575,000	576,000	577,000	578,000	579,000	580,000	581,000	582,000	583,000	584,000	585,000	586,000	587,000	588,000	589,000	590,000	591,000	592,000	593,000	594,000	595,000	596,000	597,000	598,000	599,000	600,000	601,000	602,000	603,000	604,000	605,000	606,000	607,000	608,000	609,000	610,000	611,000	612,000	613,000	614,000	615,000	616,000	617,000	618,000	619,000	620,000	621,000	622,000	623,000	624,000	625,000	626,000	627,000	628,000	629,000	630,000	631,000	632,000	633,000	634,000	635,000	636,000	637,000	638,000	639,000	640,000	641,000	642,000	643,000	644,000	645,000	646,000	647,000	648,000	649,000	650,000	651,000	652,000	653,000	654,000	655,000	656,000	657,000	658,000	659,000	660,000	661,000	662,000	663,000	664,000	665,000	666,000	667,000	668,000	669,000	670,000	671,000	672,000	673,000	674,000	675,000	676,000	677,000	678,000	679,000	680,000	681,000	682,000	683,000	684,000	685,000	686,000	687,000	688,000	689,000	690,000	691,000	692,000	693,000	694,000	695,000	696,000	697,000	698,000	699,000	700,000	701,000	702,000	703,000	704,000	705,000	706,000	707,000	708,000	709,000	710,000	711,000	712,000	713,000	714,000	715,000	716,000	717,000	718,000	719,000	720,000	721,000	722,000	723,000	724,000	725,000	726,000	727,000	728,000	729,000	730,000	731,000	732,000	733,000	734,000	735,000	736,000	737,000	738,000	739,000	740,000	741,000	742,000	743,000	744,000	745,000	746,000	747,000	748,000	749,000	750,000	
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## MONTHLY OPERATION REPORT FOR PWSs TREATING RAW GROUND WATER OR PURCHASED FINISHED WATER

See page 4 for instructions

**I. General Information for the Month/Year of:** **April-04**

**A. Public Water System (PWS) Information**

PWS Name: Arredondo Estates		PWS Identification Number: 2010041	
PWS Type: <input checked="" type="checkbox"/> Community		<input type="checkbox"/> Non-Transient Non-Community	
<input type="checkbox"/> Transient Non-Community		<input type="checkbox"/> Consecutive	
Number of Service Connections at End of Month: 247		Total Population Served at End of Month: 519	
PWS Owner: AquaSource Utility, Inc.			
Contact Person: Michael Fitzgerald		Contact Person's Title: Area Manager - Florida	
Contact Person's Mailing Address: 1343 NE 17th Road		City: Ocala	State: FL
Contact Person's Telephone Number: (352) 369-4881		Zip Code: 34470	
Contact Person's E-Mail Address: mvfitzgerald@aquaaamerica.com		Contact Person's Fax Number: (352) 732-3213	

**B. Water Treatment Plant Information**

Plant Name: Arredondo Estates		Plant Telephone Number: (352) 369-4881		
Plant Address: SW 52nd Ave		City: Gainesville	State: FL	
Type of Water Treated by Plant: <input checked="" type="checkbox"/> Raw Ground Water		<input type="checkbox"/> Purchased Finished Water		
Permitted Maximum Day Operating Capacity of Plant, gallons per day: 68,494				
Plant Category (per subsection 62-699.310(4), F.A.C.):		Plant Class (per subsection 62-699.310(4), F.A.C.):		
Licensed Operators	Name	License Class	License Number	Day(s)/Shift(s) Worked
Lead/Chief Operator:	Mark March	C	8287	6 Days per week
Other Operators:				6 Days per week

**II. Certification by Lead/Chief Operator**

I, the undersigned water treatment plant operator licensed in Florida, am the lead/chief operator of the water treatment plant identified in Part I of this report. I certify that the information provided in this report is true and accurate to the best of my knowledge. I certify that all drinking water treatment chemicals used at this plant conform to NSF International Standard 60 or other applicable standards referenced in subsection 62-555.320(3), F.A.C. I also certify that the following additional operations records for this plant were prepared each day that a licensed operator staffed or visited this plant during the month indicated above: (1) records of amounts of chemicals used and chemical feed rates; and (2) if applicable, appropriate treatment process performance records. Furthermore, I agree to provide these additional operations records to the PWS owner so the PWS owner can retain them, together with copies of this report, at a convenient location for at least ten years.

Signature and Date	Mark March Printed or Typed Name	C8287 License Number
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**MONTHLY OPERATION REPORT FOR PWSs TREATING RAW GROUND WATER OR PURCHASED FINISHED WATER**

PWS Identification Number: 2010041 Plant Name: Arredondo Estates

III. Daily Data for the Month/Year of: **April-04**

Means of Achieving Four-Log Virus Inactivation/Removal: \*  Free Chlorine  Chlorine Dioxide  Ozone  Combined Chlorine (Chloramines)  
 Ultraviolet Radiation  Other (Describe):

Type of Disinfectant Residual Maintained in Distribution System:  Free Chlorine  Combined Chlorine (Chloramines)  Chlorine Dioxide

Day of the Month	Days Plant Staffed or Visited by Operator (Place "X")	Hours Plant in Operation	Net Quantity of Finished Water Produced, gal	CT Calculations, or UV Dose, to Demonstrate Four-Log Virus Inactivation, if Applicable*										Lowest Residual Disinfectant Concentration at Remote Point in Distribution System, mg/L	Emergency or Abnormal Operating Conditions, Repair or Maintenance Work that Involves Taking Water System Components Out of Operation	
				CT Calculations					UV Dose							
				Peak Flow Rate, gpd	Lowest Residual Disinfectant Concentration (C) Before or at First Customer During Peak Flow, mg/L	Disinfectant Contact Time (T) at C Measurement Point During Peak Flow, minutes	Lowest CT Provided Before or at First Customer During Peak Flow, mg-min/L	Temp. of Water, C	pH of Water, if Applicable	Minimum CT Required, mg-min/L	Lowest Operating UV Dose, mW-sec/cm2	Minimum UV Dose Required, mW-sec/cm2				
1	X	24 hrs	61,000												1.2	
2	X	24 hrs	66,000												1.3	
3	X	24 hrs	78,500												1.3	
4		24 hrs	78,500													
5	X	24 hrs	70,000												1.2	
6	X	24 hrs	62,000												1.2	
7	X	24 hrs	56,000												1.3	
8	X	24 hrs	56,000												1.4	
9	X	24 hrs	72,000												1.3	
10	X	24 hrs	47,500												1.1	
11		24 hrs	47,500													
12	X	24 hrs	51,000												1.2	
13	X	24 hrs	40,000												1.3	
14	X	24 hrs	49,000												1.2	1
15	X	24 hrs	50,000												1.6	
16	X	24 hrs	59,000												1.4	
17		24 hrs	59,000													
18	X	24 hrs	53,000												1.3	
19	X	24 hrs	62,000												1.4	
20	X	24 hrs	63,000												1.3	
21	X	24 hrs	60,000												1.2	
22	X	24 hrs	57,000												1.2	
23	X	24 hrs	69,000												0.8	
24	X	24 hrs	65,000												1.4	
25		24 hrs	65,000													
26	X	24 hrs	54,000												1.4	
27	X	24 hrs	51,000												1.3	
28	X	24 hrs	42,000												1.3	
29	X	24 hrs	61,000												1.3	
30	X	24 hrs	52,000												1.2	
31		24 hrs														
Total			1,757,000													
Average			58,567													
Maximum			78,500													

\* Refer to the instructions for this report to determine which plants must provide this information.



## MONTHLY OPERATION REPORT FOR PWSs TREATING RAW GROUND WATER OR PURCHASED FINISHED WATER

See page 4 for instructions

**I. General Information for the Month/Year of:** May-04

<b>A. Public Water System (PWS) Information</b>			
PWS Name:	Arredondo Estates	PWS Identification Number:	2010041
PWS Type:	<input checked="" type="checkbox"/> Community <input type="checkbox"/> Non-Transient Non-Community <input type="checkbox"/> Transient Non-Community <input type="checkbox"/> Consecutive		
Number of Service Connections at End of Month:	247	Total Population Served at End of Month:	519
PWS Owner:	AquaSource Utility, Inc.		
Contact Person:	Michael Fitzgerald	Contact Person's Title:	Area Manager - Florida
Contact Person's Mailing Address:	1343 NE 17th Road	City:	Ocala    State: FL    Zip Code: 34470
Contact Person's Telephone Number:	(352) 369-4881	Contact Person's Fax Number:	(352) 732-3213
Contact Person's E-Mail Address:	mvfitzgerald@aquaaamerica.com		

<b>B. Water Treatment Plant Information</b>				
Plant Name:	Arredondo Estates	Plant Telephone Number:	(352) 369-4881	
Plant Address:	SW 52nd Ave	City:	Gainesville    State: FL    Zip Code: 32608	
Type of Water Treated by Plant:	<input checked="" type="checkbox"/> Raw Ground Water <input type="checkbox"/> Purchased Finished Water			
Permitted Maximum Day Operating Capacity of Plant, gallons per day:	68,494			
Plant Category (per subsection 62-699.310(4), F.A.C.):		Plant Class (per subsection 62-699.310(4), F.A.C.):		
<b>Licensed Operators</b>	<b>Name</b>	<b>License Class</b>	<b>License Number</b>	<b>Day(s)/Shift(s) Worked</b>
Lead/Chief Operator:	Mark March	C	8287	6 Days per week
Other Operators:				6 Days per week

**II. Certification by Lead/Chief Operator**

I, the undersigned water treatment plant operator licensed in Florida, am the lead/chief operator of the water treatment plant identified in Part I of this report. I certify that the information provided in this report is true and accurate to the best of my knowledge. I certify that all drinking water treatment chemicals used at this plant conform to NSF International Standard 60 or other applicable standards referenced in subsection 62-555.320(3), F.A.C. I also certify that the following additional operations records for this plant were prepared each day that a licensed operator staffed or visited this plant during the month indicated above: (1) records of amounts of chemicals used and chemical feed rates; and (2) if applicable, appropriate treatment process performance records. Furthermore, I agree to provide these additional operations records to the PWS owner so the PWS owner can retain them, together with copies of this report, at a convenient location for at least ten years.

Signature and Date	Mark March Printed or Typed Name	C8287 License Number
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**MONTHLY OPERATION REPORT FOR PWSs TREATING RAW GROUND WATER OR PURCHASED FINISHED WATER**

PWS Identification Number: 2010041 Plant Name: Arcondo Estates

III. Daily Data for the Month/Year of: **May-04**

Means of Achieving Four-Log Virus Inactivation/Removal: \*  Ultraviolet Radiation  Other (Describe):

Type of Disinfectant Residual Maintained in Distribution System:  Free Chlorine  Combined Chlorine (Chloramines)  Chlorine Dioxide

Days	Plant Staffed	or Visted	by Operator (Place "X")	Hours Plant in Operation	Net Quantity of Finished Water Produced, gal	Peak Flow Rate, gpd	Lowest Residual Disinfectant Provided Before or During Customer Contact Time	Disinfectant Concentration (T) at C	First Customer (C) Before or at Peak Flow, minutes	Point During Peak Flow, mg-min/L	Temp of Water, C	pH of Water, if Applicable	Minimum CT Required, mg-min/L	Lowest Operating UV Dose, sec/cm <sup>2</sup>	Required UV Dose, sec/cm <sup>2</sup>	Minimum UV Dose, sec/cm <sup>2</sup>	Emergency or Abnormal Operating Conditions, Repair or Maintenance Work that Involves Taking Water System Components Out of Operation	CT Calculations, or UV Dose, to Demonstrate Four-Log Virus Inactivation, if Applicable*		
																		UV Dose	UV Dose	
1	X			24 hrs	56,500															
2				24 hrs	56,500															1.4
3	X			24 hrs	39,000															
4	X			24 hrs	56,000															1.2
5	X			24 hrs	52,000															1.4
6	X			24 hrs	59,000															1.3
7	X			24 hrs	59,600															1.4
8				24 hrs	59,600															1.3
9				24 hrs	59,800															
10	X			24 hrs	61,000															1.2
11	X			24 hrs	56,000															1.3
12	X			24 hrs	58,000															1.2
13	X			24 hrs	68,000															1.3
14	X			24 hrs	62,000															1.2
15	X			24 hrs	68,000															1.3
16				24 hrs	68,000															
17	X			24 hrs	54,000															1.2
18	X			24 hrs	54,000															1.4
19	X			24 hrs	63,000															1.3
20	X			24 hrs	59,000															1.3
21	X			24 hrs	66,000															1.2
22	X			24 hrs	63,500															1
23				24 hrs	63,500															
24	X			24 hrs	63,000															1.2
25	X			24 hrs	85,000															1.3
26	X			24 hrs	77,000															1.3
27	X			24 hrs	70,000															1.2
28	X			24 hrs	68,000															1.3
29	X			24 hrs	66,000															1.3
30				24 hrs	66,000															1.1
31	X			24 hrs	145,000															1
Total					2,002,000															
Average					64,581															
Maximum					145,000															

\* Refer to the instructions for this report to determine which plants must provide this information.



# MONTHLY OPERATION REPORT FOR PWSs TREATING RAW GROUND WATER OR PURCHASED FINISHED WATER

See page 4 for instructions

**I. General Information for the Month/Year of: June-04**

**A. Public Water System (PWS) Information**

PWS Name: Arredondo Estates		PWS Identification Number: 2010041	
PWS Type: <input checked="" type="checkbox"/> Community		<input type="checkbox"/> Non-Transient Non-Community	
<input type="checkbox"/> Transient Non-Community		<input type="checkbox"/> Consecutive	
Number of Service Connections at End of Month: 247		Total Population Served at End of Month: 519	
PWS Owner: AquaSource Utility, Inc.			
Contact Person: Michael Fitzgerald		Contact Person's Title: Area Manager - Florida	
Contact Person's Mailing Address: 1343 NE 17th Road		City: Ocala	State: FL
Contact Person's Telephone Number: (352) 369-4881		Zip Code: 34470	
Contact Person's E-Mail Address: mvfitzgerald@aquaamerica.com		Contact Person's Fax Number: (352) 732-3213	

**B. Water Treatment Plant Information**

Plant Name: Arredondo Estates		Plant Telephone Number: (352) 369-4881		
Plant Address: SW 52nd Ave		City: Gainesville	State: FL	
Type of Water Treated by Plant: <input checked="" type="checkbox"/> Raw Ground Water		<input type="checkbox"/> Purchased Finished Water		
Permitted Maximum Day Operating Capacity of Plant, gallons per day: 68,494		Plant Class (per subsection 62-699.310(4), F.A.C.):		
Licensed Operators	Name	License Class	License Number	Day(s)/Shift(s) Worked
Lead/Chief Operator:	Mark March	C	8287	6 Days per week
Other Operators:				6 Days per week

**II. Certification by Lead/Chief Operator**

I, the undersigned water treatment plant operator licensed in Florida, am the lead/chief operator of the water treatment plant identified in Part I of this report. I certify that the information provided in this report is true and accurate to the best of my knowledge. I certify that all drinking water treatment chemicals used at this plant conform to NSF International Standard 60 or other applicable standards referenced in subsection 62-555.320(3), F.A.C. I also certify that the following additional operations records for this plant were prepared each day that a licensed operator staffed or visited this plant during the month indicated above: (1) records of amounts of chemicals used and chemical feed rates; and (2) if applicable, appropriate treatment process performance records. Furthermore, I agree to provide these additional operations records to the PWS owner so the PWS owner can retain them, together with copies of this report, at a convenient location for at least ten years.

Signature and Date	Mark March Printed or Typed Name	C8287 License Number
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**MONTHLY OPERATION REPORT FOR PWSs TREATING RAW GROUND WATER OR PURCHASED FINISHED WATER**

PWS Identification Number: 2010041

Plant Name: Arredondo Estates

III. Daily Data for the Month/Year of: **June-04**

Means of Achieving Four-Log Virus Inactivation/Removal: \*  Free Chlorine  Chlorine Dioxide  Ozone  Combined Chlorine (Chloramines)

Ultraviolet Radiation  Other (Describe):

Type of Disinfectant Residual Maintained in Distribution System:  Free Chlorine  Combined Chlorine (Chloramines)  Chlorine Dioxide

Days Staffed or Visited by Operator (Place "X")	Hours of Operation	Plant in Operation	Net Quantity of Finished Water Produced, gal.	Peak Flow Rate, gpd	Lowest Residual Disinfectant Concentration (C) Before or at First Customer Measurement (T) at C	Disinfectant Provided Before or at First Customer Measurement	Temp. of Water, C	pH of Water, if Applicable	Minimum CT Required, mg-min/L	Lowest Operating UV Dose, sec/cm <sup>2</sup>	Minimum UV Dose at Remote Point in Distribution System, mg/L	CT Calculations		
												Lowest CT	Operating UV Dose, sec/cm <sup>2</sup>	UV Dose
1	X	X	60,000	24 hrs	X	24 hrs	44,000	0.6	0.8					
2	X	X	44,000	24 hrs	X	24 hrs	44,000	0.6	0.8					
3	X	X	45,750	24 hrs	X	24 hrs	45,750	1.1	1.1					
4			45,750	24 hrs		24 hrs	45,750							
5			45,750	24 hrs		24 hrs	45,750							
6			45,750	24 hrs		24 hrs	45,750							
7	X	X	42,000	24 hrs	X	24 hrs	42,000	1.7	1.7					
8	X	X	46,000	24 hrs	X	24 hrs	46,000	1.3	1.3					
9	X	X	56,000	24 hrs	X	24 hrs	56,000	1.4	1.4					
10	X	X	41,000	24 hrs	X	24 hrs	41,000	1.2	1.2					
11	X	X	49,000	24 hrs	X	24 hrs	49,000	1.4	1.4					
12	X	X	46,500	24 hrs	X	24 hrs	46,500	1.4	1.4					
13			46,500	24 hrs		24 hrs	46,500							
14	X	X	26,000	24 hrs	X	24 hrs	26,000	1.1	1.1					
15	X	X	36,000	24 hrs	X	24 hrs	36,000	1.1	1.1					
16	X	X	44,000	24 hrs	X	24 hrs	44,000	1.2	1.2					
17	X	X	48,000	24 hrs	X	24 hrs	48,000	1.2	1.2					
18	X	X	44,000	24 hrs	X	24 hrs	44,000	1.4	1.4					
19	X	X	56,000	24 hrs	X	24 hrs	56,000	1.3	1.3					
20			56,000	24 hrs		24 hrs	56,000							
21	X	X	50,000	24 hrs	X	24 hrs	50,000	1.4	1.4					
22	X	X	52,000	24 hrs	X	24 hrs	52,000	1.4	1.4					
23	X	X	51,000	24 hrs	X	24 hrs	51,000	1.3	1.3					
24	X	X	41,000	24 hrs	X	24 hrs	41,000	1.4	1.4					
25	X	X	41,000	24 hrs	X	24 hrs	41,000	1.3	1.3					
26	X	X	61,000	24 hrs	X	24 hrs	61,000	1.2	1.2					
27			61,000	24 hrs		24 hrs	61,000							
28	X	X	48,000	24 hrs	X	24 hrs	48,000	1.2	1.2					
29	X	X	65,000	24 hrs	X	24 hrs	65,000	1.1	1.1					
30	X	X	69,000	24 hrs	X	24 hrs	69,000	1.1	1.1					
31				24 hrs		24 hrs								
Total			1,463,000											
Average			48,767											
Maximum			69,000											

\* Refer to the instructions for this report to determine which plants must provide this information.



## MONTHLY OPERATION REPORT FOR PWSs TREATING RAW GROUND WATER OR PURCHASED FINISHED WATER

See page 4 for instructions

**I. General Information for the Month/Year of:** July-04

<b>A. Public Water System (PWS) Information</b>			
PWS Name:	Arredondo Estates	PWS Identification Number:	2010041
PWS Type:	<input checked="" type="checkbox"/> Community <input type="checkbox"/> Non-Transient Non-Community <input type="checkbox"/> Transient Non-Community <input type="checkbox"/> Consecutive		
Number of Service Connections at End of Month:	247	Total Population Served at End of Month:	519
PWS Owner:	Aqua Utilities Florida		
Contact Person:	Michael Fitzgerald	Contact Person's Title:	Area Manager - Florida
Contact Person's Mailing Address:	1343 NE 17th Road	City:	Ocala State: FL Zip Code: 34470
Contact Person's Telephone Number:	(352) 369-4881	Contact Person's Fax Number:	(352) 732-3213
Contact Person's E-Mail Address:	mvfitzgerald@aquaamerica.com		

<b>B. Water Treatment Plant Information</b>				
Plant Name:	Arredondo Estates	Plant Telephone Number:	(352) 369-4881	
Plant Address:	SW 52nd Ave	City:	Gainesville State: FL Zip Code: 32608	
Type of Water Treated by Plant:	<input checked="" type="checkbox"/> Raw Ground Water <input type="checkbox"/> Purchased Finished Water			
Permitted Maximum Day Operating Capacity of Plant, gallons per day:	68,494			
Plant Category (per subsection 62-699.310(4), F.A.C.):	Plant Class (per subsection 62-699.310(4), F.A.C.):			
Licensed Operators	Name	License Class	License Number	Day(s)/Shift(s) Worked
Lead/Chief Operator:	Mark March	C	8287	6 Days per week
Other Operators:				6 Days per week

**II. Certification by Lead/Chief Operator**

I, the undersigned water treatment plant operator licensed in Florida, am the lead/chief operator of the water treatment plant identified in Part I of this report. I certify that the information provided in this report is true and accurate to the best of my knowledge. I certify that all drinking water treatment chemicals used at this plant conform to NSF International Standard 60 or other applicable standards referenced in subsection 62-555.320(3), F.A.C. I also certify that the following additional operations records for this plant were prepared each day that a licensed operator staffed or visited this plant during the month indicated above: (1) records of amounts of chemicals used and chemical feed rates; and (2) if applicable, appropriate treatment process performance records. Furthermore, I agree to provide these additional operations records to the PWS owner so the PWS owner can retain them, together with copies of this report, at a convenient location for at least ten years.

Signature and Date	Mark March Printed or Typed Name	C8287 License Number
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## MONTHLY OPERATION REPORT FOR PWSs TREATING RAW GROUND WATER OR PURCHASED FINISHED WATER

PWS Identification Number: 2010041 Plant Name: Arredondo Estates

**III. Daily Data for the Month/Year of: July-04**

Means of Achieving Four-Log Virus Inactivation/Removal: \*  Free Chlorine  Chlorine Dioxide  Ozone  Combined Chlorine (Chloramines)  
 Ultraviolet Radiation  Other (Describe):

Type of Disinfectant Residual Maintained in Distribution System:  Free Chlorine  Combined Chlorine (Chloramines)  Chlorine Dioxide

Day of the Month	Days Plant Staffed or Visited by Operator (Place "X")	Hours Plant in Operation	Net Quantity of Finished Water Produced, gal	CT Calculations, or UV Dose, to Demonstrate Four-Log Virus Inactivation, if Applicable*										Lowest Residual Disinfectant Concentration at Remote Point in Distribution System, mg/L	Emergency or Abnormal Operating Conditions, Repair or Maintenance Work that Involves Taking Water System Components Out of Operation	
				CT Calculations					UV Dose							
				Peak Flow Rate, gpd	Lowest Residual Disinfectant Concentration (C) Before or at First Customer During Peak Flow, mg/L	Disinfectant Contact Time (T) at C Measurement Point During Peak Flow, minutes	Lowest CT Provided Before or at First Customer During Peak Flow, mg-min/L	Temp. of Water, C	pH of Water, if Applicable	Minimum CT Required, mg-min/L	Lowest Operating UV Dose, mW-sec/cm2	Minimum UV Dose Required, mW-sec/cm2				
1	X	24 hrs	68,000												1.2	
2	X	24 hrs	56,300												0.6	
3	X	24 hrs	63,800												0.6	
4		24 hrs	63,700													
5	X	24 hrs	68,500												0.8	
6	X	24 hrs	65,800												0.4	
7	X	24 hrs	63,200												0.3	
8	X	24 hrs	64,700												0.3	
9	X	24 hrs	52,000												1.6	
10	X	24 hrs	60,000												1.4	
11		24 hrs	61,000													
12	X	24 hrs	68,000												1.6	
13	X	24 hrs	74,000												1.4	
14	X	24 hrs	40,000												1.4	
15	X	24 hrs	66,000												1.3	
16	X	24 hrs	41,000												1.2	
17	X	24 hrs	57,000												1.3	
18		24 hrs	57,000													
19	X	24 hrs	60,000												0.8	
20	X	24 hrs	61,000												1.2	
21	X	24 hrs	48,000												1.2	
22	X	24 hrs	45,000												1.2	
23	X	24 hrs	35,000												1.3	
24	X	24 hrs	49,500												1.4	
25		24 hrs	49,500													
26	X	24 hrs	47,000												1.4	
27	X	24 hrs	50,000												1.3	
28	X	24 hrs	52,000												1.1	
29	X	24 hrs	41,000												1.3	
30	X	24 hrs	46,000												1.4	
31	X	24 hrs	47,000												1.2	
Total			1,721,000													
Average			55,516													
Maximum			74,000													

\* Refer to the instructions for this report to determine which plants must provide this information.





## MONTHLY OPERATION REPORT FOR PWSs TREATING RAW GROUND WATER OR PURCHASED FINISHED WATER

See page 4 for instructions

**I. General Information for the Month/Year of:** **August-04**

**A. Public Water System (PWS) Information**

PWS Name: Arredondo Estates		PWS Identification Number: 2010041	
PWS Type:	<input checked="" type="checkbox"/> Community	<input type="checkbox"/> Non-Transient Non-Community	<input type="checkbox"/> Transient Non-Community <input type="checkbox"/> Consecutive
Number of Service Connections at End of Month:	247		Total Population Served at End of Month: 519
PWS Owner: Aqua Utilities Florida			
Contact Person: Michael Fitzgerald		Contact Person's Title: Area Manager - Florida	
Contact Person's Mailing Address: 1343 NE 17th Road		City: Ocala	State: FL Zip Code: 34470
Contact Person's Telephone Number: (352) 369-4881		Contact Person's Fax Number: (352) 732-3213	
Contact Person's E-Mail Address: mvfitzgerald@aquaaamerica.com			

**B. Water Treatment Plant Information**

Plant Name: Arredondo Estates		Plant Telephone Number: (352) 369-4881		
Plant Address: SW 52nd Ave		City: Gainesville	State: FL Zip Code: 32608	
Type of Water Treated by Plant:	<input checked="" type="checkbox"/> Raw Ground Water	<input type="checkbox"/> Purchased Finished Water		
Permitted Maximum Day Operating Capacity of Plant, gallons per day: 68,494				
Plant Category (per subsection 62-699.310(4), F.A.C.): V		Plant Class (per subsection 62-699.310(4), F.A.C.) C		
Licensed Operators	Name	License Class	License Number	Day(s)/Shift(s) Worked
Lead/Chief Operator:	Mark March	C	8287	6 Days per week
Other Operators:				6 Days per week

**II. Certification by Lead/Chief Operator**

I, the undersigned water treatment plant operator licensed in Florida, am the lead/chief operator of the water treatment plant identified in Part I of this report. I certify that the information provided in this report is true and accurate to the best of my knowledge. I certify that all drinking water treatment chemicals used at this plant conform to NSF International Standard 60 or other applicable standards referenced in subsection 62-555.320(3), F.A.C. I also certify that the following additional operations records for this plant were prepared each day that a licensed operator staffed or visited this plant during the month indicated above: (1) records of amounts of chemicals used and chemical feed rates; and (2) if applicable, appropriate treatment process performance records. Furthermore, I agree to provide these additional operations records to the PWS owner so the PWS owner can retain them, together with copies of this report, at a convenient location for at least ten years.

\_\_\_\_\_  
Signature and Date

Mark March  
\_\_\_\_\_  
Printed or Typed Name

C8287  
\_\_\_\_\_  
License Number

# MONTHLY OPERATION REPORT FOR PWSS TREATING RAW GROUND WATER OR PURCHASED FINISHED WATER

PWS Identification Number: 2010041 Plant Name: Arredondo Estates

III. Daily Data for the Month/Year of: August-04

Means of Achieving Four-Log Virus Inactivation/Removal: \*  Ultraviolet Radiation  Other (Describe):

Type of Disinfectant Residual Maintained in Distribution System:  Free Chlorine  Combined Chlorine (Chloramines)  Chlorine Dioxide

Means of Achieving Four-Log Virus Inactivation, if Applicable\*  Free Chlorine  Combined Chlorine (Chloramines)  Chlorine Dioxide  Ozone  Combined Chlorine (Chloramines)

Days Started or by Operator (Place "X")	Day of the Month	Hours of Operation	Plant in Operation	Net Quantity of Finished Water Produced, gal	Peak Flow Rate, gpd	Lowest Residual Disinfectant Concentration (T) at C	Disinfectant Provided Before or at First Customer Measurement	Contact Time (T) at C	Disinfectant Measurement (C) Before or at First Customer Measurement	Point During Peak Flow	Temp of Water, C	pH of Water, if Applicable	Minimum CT Required, mg-min/L	Lowest Operating UV Dose, sec/cm <sup>2</sup>	Minimum UV Dose Required, sec/cm <sup>2</sup>	Lowest Residual Disinfectant Concentration at Remote Point in Distribution System, mg/L	Emergency or Abnormal Operating Conditions, Repair or Maintenance Work that Involves Taking Water System Components Out of Operation	CT Calculations				
																		UV Dose	UV Dose			
1	24 hrs	X		70,000																		
2	24 hrs	X		38,000																		
3	24 hrs	X		55,000																		
4	24 hrs	X		43,000																		
5	24 hrs	X		54,000																		
6	24 hrs	X		33,000																		
7	24 hrs	X		72,000																		
8	24 hrs			72,000																		
9	24 hrs	X		45,000																		
10	24 hrs	X		86,000																		
11	24 hrs	X		51,000																		
12	24 hrs	X		40,000																		
13	24 hrs	X		39,000																		
14	24 hrs	X		56,000																		
15	24 hrs			56,000																		
16	24 hrs	X		47,000																		
17	24 hrs	X		40,000																		
18	24 hrs	X		44,000																		
19	24 hrs	X		30,000																		
20	24 hrs	X		51,000																		
21	24 hrs	X		58,000																		
22	24 hrs			59,000																		
23	24 hrs	X		46,000																		
24	24 hrs	X		45,000																		
25	24 hrs	X		51,000																		
26	24 hrs	X		51,000																		
27	24 hrs	X		54,000																		
28	24 hrs	X		59,500																		
29	24 hrs			59,500																		
30	24 hrs	X		20,000																		
31	24 hrs	X		53,000																		
				Total	1,578,000															50,903	Maximum	86,000
				Average																		

\* Refer to the instructions for this report to determine which plants must provide this information.



# MONTHLY OPERATION REPORT FOR PWSs TREATING RAW GROUND WATER OR PURCHASED FINISHED WATER

See page 4 for instructions

**I. General Information for the Month/Year of:** September-04

**A. Public Water System (PWS) Information**

PWS Name: Arredondo Estates	PWS Identification Number: 2010041		PWS Non-Community	Consecutive
PWS Type: <input checked="" type="checkbox"/> Community	<input type="checkbox"/> Non-Transient Non-Community		<input type="checkbox"/> Transient Non-Community	
Number of Service Connections at End of Month: 247	Total Population Served at End of Month: 519			
PWS Owner: Aqua Utilities Florida				
Contact Person: Michael Fitzgerald	Contact Person's Title: Area Manager - Florida			
Contact Person's Mailing Address: 1343 NE 17th Road	City: Ocala	State: FL	Zip Code: 34470	
Contact Person's Telephone Number: (352) 369-4881	Contact Person's Fax Number: (352) 732-3213			
Contact Person's E-Mail Address: <a href="mailto:mfitzgerald@aquamerica.com">mfitzgerald@aquamerica.com</a>				

**B. Water Treatment Plant Information**

Plant Name: Arredondo Estates	Plant Telephone Number: (352) 369-4881		City: Gainesville	State: FL	Zip Code: 32608
Plant Address: SW 52nd Ave					
Type of Water Treated by Plant: <input checked="" type="checkbox"/> Raw Ground Water	<input type="checkbox"/> Purchased Finished Water				
Permitted Maximum Day Operating Capacity of Plant, gallons per day: 68,494					
Plant Category (per subsection 62-699.310(4), F.A.C.): V	Plant Class (per subsection 62-699.310(4), F.A.C.): C				
Licensed Operators		License Number	Day(s)/Shift(s) Worked		
Lead/Chief Operator: Mark March		8287	6 Days per week		
Other Operators:					

**II. Certification by Lead/Chief Operator**

I, the undersigned water treatment plant operator licensed in Florida, am the lead/chief operator of the water treatment plant identified in Part I of this report. I certify that the information provided in this report is true and accurate to the best of my knowledge. I certify that all drinking water treatment chemicals used at this plant conform to NSF International Standard 60 or other applicable standards referenced in subsection 62-555.320(3), F.A.C. I also certify that the following additional operations records for this plant were prepared each day that a licensed operator staffed or visited this plant during the month indicated above: (1) records of amounts of chemicals used and chemical feed rates; and (2) if applicable, appropriate treatment process performance records. Furthermore, I agree to provide these additional operations records to the PWS owner so the PWS owner can retain them, together with copies of this report, at a convenient location for at least ten years.

Signature and Date: Mark March License Number: C8287  
 Printed or Typed Name: Mark March

## MONTHLY OPERATION REPORT FOR PWSs TREATING RAW GROUND WATER OR PURCHASED FINISHED WATER

PWS Identification Number: 2010041 Plant Name: Arredondo Estates

III. Daily Data for the Month/Year of: **September-04**

Means of Achieving Four-Log Virus Inactivation/Removal: \*  Free Chlorine  Chlorine Dioxide  Ozone  Combined Chlorine (Chloramines)  
 Ultraviolet Radiation  Other (Describe):

Type of Disinfectant Residual Maintained in Distribution System:  Free Chlorine  Combined Chlorine (Chloramines)  Chlorine Dioxide

Day of the Month	Days Plant Staffed or Visited by Operator (Place "X")	Hours Plant in Operation	Net Quantity of Finished Water Produced, gal	CT Calculations, or UV Dose, to Demonstrate Four-Log Virus Inactivation, if Applicable*										Lowest Residual Disinfectant Concentration at Remote Point in Distribution System, mg/L	Emergency or Abnormal Operating Conditions, Repair or Maintenance Work that Involves Taking Water System Components Out of Operation
				CT Calculations					UV Dose						
				Peak Flow Rate, gpd	Lowest Residual Disinfectant Concentration (C) Before or at First Customer During Peak Flow, mg/L	Disinfectant Contact Time (T) at C Measurement Point During Peak Flow, minutes	Lowest CT Provided Before or at First Customer During Peak Flow, mg-min/L	Temp. of Water, C	pH of Water, if Applicable	Minimum CT Required, mg-min/L	Lowest Operating UV Dose, mW-sec/cm2	Minimum UV Dose Required, mW-sec/cm2			
1	X	24 hrs	60,000		1.4									1.3	
2	X	24 hrs	46,000		1.5									1.2	
3	X	24 hrs	6,000		1.6									1.4	
4	X	24 hrs	15,100		1.8									1.5	
5		24 hrs	151,000												
6	X	24 hrs	22,000		1.3									1.4	
7	X	24 hrs	226,000		0									0	
8	X	24 hrs	119,000		1.6									0	
9	X	24 hrs	223,000		1.8									0	
10	X	24 hrs	344,000		1.9									1.6	
11	X	24 hrs	56,500		1.8									1.6	
12		24 hrs	56,500												
13	X	24 hrs	49,000												
14	X	24 hrs	35,000		1.7									1.6	
15	X	24 hrs	44,000		1.8									1.4	
16	X	24 hrs	37,000		1.7									1.2	
17	X	24 hrs	40,000		1.6									1.3	
18		24 hrs	41,000												
19	X	24 hrs	64,000		1.5									1.3	
20	X	24 hrs	5,000		1.7									1.4	
21	X	24 hrs	51,000		1.6									1.3	
22	X	24 hrs	67,000		1.7									1.1	
23	X	24 hrs	76,000		1.4									1	
24	X	24 hrs	57,000		1.3									0.8	
25	X	24 hrs	122,000		1.3									1	
26		24 hrs	123,000												
27	X	24 hrs	220,000		1.6									1.3	
28	X	24 hrs	208,000		1.8									1.4	
29	X	24 hrs	286,000		1.3									1.2	
30	X	24 hrs	44,000		1.8									0	
31		24 hrs													
Total			2,894,100												
Average			96,470												
Maximum			344,000												

\* Refer to the instructions for this report to determine which plants must provide this information.



## MONTHLY OPERATION REPORT FOR PWSs TREATING RAW GROUND WATER OR PURCHASED FINISHED WATER

See page 4 for instructions

**I. General Information for the Month/Year of:** **October-04**

**A. Public Water System (PWS) Information**

PWS Name: Arredondo Estates		PWS Identification Number: 2010041	
PWS Type:	<input checked="" type="checkbox"/> Community	<input type="checkbox"/> Non-Transient Non-Community	<input type="checkbox"/> Transient Non-Community <input type="checkbox"/> Consecutive
Number of Service Connections at End of Month: 247		Total Population Served at End of Month: 519	
PWS Owner: Aqua Utilities Florida			
Contact Person: Michael Fitzgerald		Contact Person's Title: Area Manager - Florida	
Contact Person's Mailing Address: 1343 NE 17th Road		City: Ocala	State: FL Zip Code: 34470
Contact Person's Telephone Number: (352) 369-4881		Contact Person's Fax Number: (352) 732-3213	
Contact Person's E-Mail Address: mvfitzgerald@aquamerica.com			

**B. Water Treatment Plant Information**

Plant Name: Arredondo Estates		Plant Telephone Number: (352) 369-4881		
Plant Address: SW 52nd Ave		City: Gainesville	State: FL Zip Code: 32608	
Type of Water Treated by Plant: <input checked="" type="checkbox"/> Raw Ground Water <input type="checkbox"/> Purchased Finished Water				
Permitted Maximum Day Operating Capacity of Plant, gallons per day: 68,494				
Plant Category (per subsection 62-699.310(4), F.A.C.): V		Plant Class (per subsection 62-699.310(4), F.A.C.): C		
Licensed Operators	Name	License Class	License Number	Day(s)/Shift(s) Worked
Lead/Chief Operator:	Mark March	C	8287	6 Days per week
Other Operators:	Barry Cohen	C	8253	6 Days per week

**II. Certification by Lead/Chief Operator**

I, the undersigned water treatment plant operator licensed in Florida, am the lead/chief operator of the water treatment plant identified in Part I of this report. I certify that the information provided in this report is true and accurate to the best of my knowledge. I certify that all drinking water treatment chemicals used at this plant conform to NSF International Standard 60 or other applicable standards referenced in subsection 62-555.320(3), F.A.C. I also certify that the following additional operations records for this plant were prepared each day that a licensed operator staffed or visited this plant during the month indicated above: (1) records of amounts of chemicals used and chemical feed rates; and (2) if applicable, appropriate treatment process performance records. Furthermore, I agree to provide these additional operations records to the PWS owner so the PWS owner can retain them, together with copies of this report, at a convenient location for at least ten years.

Signature and Date	Mark March Printed or Typed Name	C8287 License Number
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**MONTHLY OPERATION REPORT FOR PWSs TREATING RAW GROUND WATER OR PURCHASED FINISHED WATER**

PWS Identification Number: 2010041 Plant Name: Arredondo Estates

III. Daily Data for the Month/Year of: **October-04**  
 Means of Achieving Four-Log Virus Inactivation/Removal: \*  Free Chlorine  Chlorine Dioxide  Ozone  Combined Chlorine (Chloramines)  
 Ultraviolet Radiation  Other (Describe):

Type of Disinfectant Residual Maintained in Distribution System:  Free Chlorine  Combined Chlorine (Chloramines)  Chlorine Dioxide

Days Started or Visited	Day of Operation (Place "X")	Hours Plant in Operation	Net Quantity of Finished Water Produced, gal	Peak Flow Rate, gpd	Lowest Residual Disinfectant Concentration (1) at C	Disinfectant Provided Before or at First Measurement	Temp of Water, C	pH of Water, if Applicable	Minimum CT Required, mg-min/L	Lowest Operating UV Dose, mW-sec/cm <sup>2</sup>	Minimum UV Dose Required, mW-sec/cm <sup>2</sup>	Lowest Residual Disinfectant Concentration at Remote Point in Distribution System, mg/L	Emergency or Abnormal Operating Conditions, Repair or Maintenance Work that Involves Taking Water System Components Out of Operation	CT Calculations, or UV Dose, to Demonstrate Four-Log Virus Inactivation, if Applicable*		CT Calculations	
														UV Dose	UV Dose	minutes	mg-min/L
1	X	24 hrs	66,000	1.8								1.6		1.8			
2	X	24 hrs	77,000	1.7								1.4		1.7			
3		24 hrs	77,000									1.4					
4	X	24 hrs	64,000	1.6								1.4		1.6			
5	X	24 hrs	71,000	1.5								1.2		1.5			
6	X	24 hrs	82,000	1.8								1.2		1.8			
7	X	24 hrs	67,000	1.6								1.4		1.6			
8	X	24 hrs	71,000	1.8								1.3		1.8			
9	X	24 hrs	72,000	1.6								1.4		1.6			
10		24 hrs	73,000									1.6					
11	X	24 hrs	74,000	1.8								1.4		1.8			
12	X	24 hrs	50,000	1.8								1.4		1.8			
13	X	24 hrs	58,000	1.6								1.3		1.6			
14	X	24 hrs	43,000	1.5								1.1		1.5			
15	X	24 hrs	57,000	1.5								1.1		1.5			
16	X	24 hrs	72,000	1.5								1		1.5			
17		24 hrs	73,000									1					
18	X	24 hrs	60,000	1.1								1		1.1			
19	X	24 hrs	63,000	1								1		1			
20	X	24 hrs	32,000	1.1								0.8		1.1			
21	X	24 hrs	68,000	1.3								1.3		1.3			
22	X	24 hrs	49,000	1.4								1.2		1.4			
23	X	24 hrs	52,000	1.3								1.2		1.3			
24		24 hrs	52,000									1.2					
25	X	24 hrs	46,000	1.4								1.3		1.4			
26	X	24 hrs	44,000	1.3								1.3		1.3			
27	X	24 hrs	39,000	1.3								1.2		1.3			
28	X	24 hrs	64,000	1.4								1.1		1.4			
29	X	24 hrs	50,000	1.6								1.4		1.6			
30	X	24 hrs	71,000	1.5								1.2		1.5			
31		24 hrs	71,000									1.2					
Total			1,908,000														
Average			61,548														
Maximum			82,000														

\* Refer to the instructions for this report to determine which plants must provide this information.



## MONTHLY OPERATION REPORT FOR PWSs TREATING RAW GROUND WATER OR PURCHASED FINISHED WATER

See page 4 for instructions

**I. General Information for the Month/Year of:** November-04

**A. Public Water System (PWS) Information**

PWS Name: Arredondo Estates		PWS Identification Number: 2010041	
PWS Type: <input checked="" type="checkbox"/> Community		<input type="checkbox"/> Non-Transient Non-Community	
<input type="checkbox"/> Transient Non-Community		<input type="checkbox"/> Consecutive	
Number of Service Connections at End of Month: 247		Total Population Served at End of Month: 519	
PWS Owner: Aqua Utilities Florida			
Contact Person: Brian Heath		Contact Person's Title: Area Manager - Florida	
Contact Person's Mailing Address: 1343 NE 17th Road		City: Ocala	State: FL
Contact Person's Telephone Number: (352) 732-6027		Zip Code: 34470	
Contact Person's E-Mail Address: beheath@aquaaamerica.com		Contact Person's Fax Number: (352) 732-3213	

**B. Water Treatment Plant Information**

Plant Name: Arredondo Estates		Plant Telephone Number: (352) 732-6027		
Plant Address: SW 52nd Ave		City: Gainesville	State: FL	
Type of Water Treated by Plant: <input checked="" type="checkbox"/> Raw Ground Water		<input type="checkbox"/> Purchased Finished Water		
Permitted Maximum Day Operating Capacity of Plant, gallons per day: 68,494		Plant Class (per subsection 62-699.310(4), F.A.C.): C		
Plant Category (per subsection 62-699.310(4), F.A.C.): V				
Licensed Operators	Name	License Class	License Number	Day(s)/Shift(s) Worked
Lead/Chief Operator:	Mark March	C	8287	6 Days per week
Other Operators:	Barry Cohen	C	8253	6 Days per week

**II. Certification by Lead/Chief Operator**

I, the undersigned water treatment plant operator licensed in Florida, am the lead/chief operator of the water treatment plant identified in Part I of this report. I certify that the information provided in this report is true and accurate to the best of my knowledge. I certify that all drinking water treatment chemicals used at this plant conform to NSF International Standard 60 or other applicable standards referenced in subsection 62-555.320(3), F.A.C. I also certify that the following additional operations records for this plant were prepared each day that a licensed operator staffed or visited this plant during the month indicated above: (1) records of amounts of chemicals used and chemical feed rates; and (2) if applicable, appropriate treatment process performance records. Furthermore, I agree to provide these additional operations records to the PWS owner so the PWS owner can retain them, together with copies of this report, at a convenient location for at least ten years.

\_\_\_\_\_  
Signature and Date

Mark March  
\_\_\_\_\_  
Printed or Typed Name

C8287  
\_\_\_\_\_  
License Number







# MONTHLY OPERATION REPORT FOR PWSs TREATING RAW GROUND WATER OR PURCHASED FINISHED WATER

See page 4 for instructions

**I. General Information for the Month/Year of:** **December-04**

**A. Public Water System (PWS) Information**

PWS Name: Arredondo Estates		PWS Identification Number: 2010041	
PWS Type:	<input checked="" type="checkbox"/> Community	<input type="checkbox"/> Non-Transient Non-Community	<input type="checkbox"/> Transient Non-Community
Number of Service Connections at End of Month: 247		Total Population Served at End of Month: 519	
PWS Owner: Aqua Utilities Florida			
Contact Person: Brian Heath		Contact Person's Title: Area Manager - Florida	
Contact Person's Mailing Address: 1343 NE 17th Road		City: Ocala	State: FL
Contact Person's Telephone Number: (352) 732-6027		Zip Code: 34470	
Contact Person's E-Mail Address: <u>beheath@aquaaamerica.com</u>		Contact Person's Fax Number: (352) 732-3213	

**B. Water Treatment Plant Information**

Plant Name: Arredondo Estates		Plant Telephone Number: (352) 732-6027		
Plant Address: SW 52nd Ave		City: Gainesville	State: FL	
Type of Water Treated by Plant: <input checked="" type="checkbox"/> Raw Ground Water		<input type="checkbox"/> Purchased Finished Water		
Permitted Maximum Day Operating Capacity of Plant, gallons per day: 68,494				
Plant Category (per subsection 62-699.310(4), F.A.C.): V		Plant Class (per subsection 62-699.310(4), F.A.C.): C		
Licensed Operators	Name	License Class	License Number	Day(s)/Shift(s) Worked
Lead/Chief Operator:	Mark March	C	8287	6 Days per week
Other Operators:	Barry Cohen	C	8253	6 Days per week

**II. Certification by Lead/Chief Operator**

I, the undersigned water treatment plant operator licensed in Florida, am the lead/chief operator of the water treatment plant identified in Part I of this report. I certify that the information provided in this report is true and accurate to the best of my knowledge. I certify that all drinking water treatment chemicals used at this plant conform to NSF International Standard 60 or other applicable standards referenced in subsection 62-555.320(3), F.A.C. I also certify that the following additional operations records for this plant were prepared each day that a licensed operator staffed or visited this plant during the month indicated above: (1) records of amounts of chemicals used and chemical feed rates; and (2) if applicable, appropriate treatment process performance records. Furthermore, I agree to provide these additional operations records to the PWS owner so the PWS owner can retain them, together with copies of this report, at a convenient location for at least ten years.

Signature and Date	Mark March Printed or Typed Name	C8287 License Number
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# MONTHLY OPERATION REPORT FOR PWSs TREATING RAW GROUND WATER OR PURCHASED FINISHED WATER

See page 4 for instructions

**I. General Information for the Month Year of:** **January-05**

**A. Public Water System (PWS) Information**

PWS Name: Arredondo Estates		PWS Identification Number: 2010041	
PWS Type: <input checked="" type="checkbox"/> Community <input type="checkbox"/> Non-Transient Non-Community <input type="checkbox"/> Transient Non-Community <input type="checkbox"/> Consecutive			
Number of Service Connections at End of Month: 247		Total Population Served at End of Month: 519	
PWS Owner: Aqua Utilities Florida			
Contact Person: Brian Heath		Contact Person's Title: Area Manager - Florida	
Contact Person's Mailing Address: PO Box 490310		City: Leesburg	State: FL Zip Code: 34749
Contact Person's Telephone Number: (352) 787-0980		Contact Person's Fax Number: (352) 787-6333	
Contact Person's E-Mail Address: beheath@aquaamerica.com			

**B. Water Treatment Plant Information**

Plant Name: Arredondo Estates		Plant Telephone Number: (352) 787-0980		
Plant Address: SW 52nd Ave		City: Gainesville	State: FL Zip Code: 32608	
Type of Water Treated by Plant: <input checked="" type="checkbox"/> Raw Ground Water <input type="checkbox"/> Purchased Finished Water				
Permitted Maximum Day Operating Capacity of Plant, gallons per day: 68,494				
Plant Category (per subsection 62-699.310(4), F.A.C.): V		Plant Class (per subsection 62-699.310(4), F.A.C.): C		
Licensed Operators	Name	License Class	License Number	Day(s)/Shift(s) Worked
Lead/Chief Operator:	Mark March	C	8287	6 Days per week
Other Operators:				

**II. Certification by Lead Chief Operator**

I, the undersigned water treatment plant operator licensed in Florida, am the lead/chief operator of the water treatment plant identified in Part I of this report. I certify that the information provided in this report is true and accurate to the best of my knowledge. I certify that all drinking water treatment chemicals used at this plant conform to NSF International Standard 60 or other applicable standards referenced in subsection 62-555.320(3), F.A.C. I also certify that the following additional operations records for this plant were prepared each day that a licensed operator staffed or visited this plant during the month indicated above: (1) records of amounts of chemicals used and chemical feed rates; and (2) if applicable, appropriate treatment process performance records. Furthermore, I agree to provide these additional operations records to the PWS owner so the PWS owner can retain them, together with copies of this report, at a convenient location for at least ten years.

\_\_\_\_\_  
Signature and Date

Mark March  
Printed or Typed Name

C8287  
License Number





# MONTHLY OPERATION REPORT FOR PWSs TREATING RAW GROUND WATER OR PURCHASED FINISHED WATER

See page 4 for instructions

**I. General Information for the Month Year of:** February-05

**A. Public Water System (PWS) Information**

PWS Name: Arredondo Estates		PWS Identification Number: 2010041	
PWS Type:	<input checked="" type="checkbox"/> Community	<input type="checkbox"/> Non-Transient Non-Community	<input type="checkbox"/> Transient Non-Community
Number of Service Connections at End of Month: 246		Total Population Served at End of Month: 738	
PWS Owner: Aqua Utilities Florida			
Contact Person: Brian Heath	Contact Person's Title: Area Manager - Florida		
Contact Person's Mailing Address: PO Box 490310	City: Leesburg	State: FL	Zip Code: 34749
Contact Person's Telephone Number: (352) 787-0980	Contact Person's Fax Number: (352) 787-6333		
Contact Person's E-Mail Address: beheath@aquaaamerica.com			

**B. Water Treatment Plant Information**

Plant Name: Arredondo Estates		Plant Telephone Number: (352) 787-0980		
Plant Address: SW 52nd Ave		City: Gainesville	State: FL	
Type of Water Treated by Plant: <input checked="" type="checkbox"/> Raw Ground Water		<input type="checkbox"/> Purchased Finished Water		
Permitted Maximum Day Operating Capacity of Plant, gallons per day: 68,494		Plant Class (per subsection 62-699.310(4), F.A.C.): C		
Plant Category (per subsection 62-699.310(4), F.A.C.): V		Plant Class (per subsection 62-699.310(4), F.A.C.): C		
Licensed Operators	Name	License Class	License Number	Day(s)/Shift(s) Worked
Lead/Chief Operator:	Mark March	C	8287	6 Days per week
Other Operators:				

**II. Certification by Lead Chief Operator**

I, the undersigned water treatment plant operator licensed in Florida, am the lead/chief operator of the water treatment plant identified in Part I of this report. I certify that the information provided in this report is true and accurate to the best of my knowledge. I certify that all drinking water treatment chemicals used at this plant conform to NSF International Standard 60 or other applicable standards referenced in subsection 62-555.320(3), F.A.C. I also certify that the following additional operations records for this plant were prepared each day that a licensed operator staffed or visited this plant during the month indicated above: (1) records of amounts of chemicals used and chemical feed rates; and (2) if applicable, appropriate treatment process performance records. Furthermore, I agree to provide these additional operations records to the PWS owner so the PWS owner can retain them, together with copies of this report, at a convenient location for at least ten years.

Signature and Date	Mark March Printed or Typed Name	C8287 License Number
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# MONTHLY OPERATION REPORT FOR PWSs TREATING RAW GROUND WATER OR PURCHASED FINISHED WATER

See page 4 for instructions

**I. General Information for the Month Year of:** **March-05**

**A. Public Water System (PWS) Information**

PWS Name: Arredondo Estates		PWS Identification Number: 2010041	
PWS Type:	<input checked="" type="checkbox"/> Community	<input type="checkbox"/> Non-Transient Non-Community	<input type="checkbox"/> Transient Non-Community
Number of Service Connections at End of Month: 246		Total Population Served at End of Month: 738	
PWS Owner: Aqua Utilities Florida			
Contact Person: Brian Heath		Contact Person's Title: Area Manager - Florida	
Contact Person's Mailing Address: PO Box 490310		City: Leesburg	State: FL
Contact Person's Telephone Number: (352) 787-0980		Zip Code: 34749	
Contact Person's E-Mail Address: beheath@aquamerica.com		Contact Person's Fax Number: (352) 787-6333	

**B. Water Treatment Plant Information**

Plant Name: Arredondo Estates		Plant Telephone Number: (352) 787-0980	
Plant Address: SW 52nd Ave		City: Gainesville	State: FL
Type of Water Treated by Plant:		<input checked="" type="checkbox"/> Raw Ground Water <input type="checkbox"/> Purchased Finished Water	
Permitted Maximum Day Operating Capacity of Plant, gallons per day: 68,494			
Plant Category (per subsection 62-699.310(4), F.A.C.): V		Plant Class (per subsection 62-699.310(4), F.A.C.): C	
<b>Licensed Operators</b>	<b>Name</b>	<b>License Class</b>	<b>License Number</b>
<b>Lead/Chief Operator:</b>	Mark March	C	8287
<b>Other Operators:</b>			

**II. Certification by Lead Chief Operator**

I, the undersigned water treatment plant operator licensed in Florida, am the lead/chief operator of the water treatment plant identified in Part I of this report. I certify that the information provided in this report is true and accurate to the best of my knowledge. I certify that all drinking water treatment chemicals used at this plant conform to NSF International Standard 60 or other applicable standards referenced in subsection 62-555.320(3), F.A.C. I also certify that the following additional operations records for this plant were prepared each day that a licensed operator staffed or visited this plant during the month indicated above: (1) records of amounts of chemicals used and chemical feed rates; and (2) if applicable, appropriate treatment process performance records. Furthermore, I agree to provide these additional operations records to the PWS owner so the PWS owner can retain them, together with copies of this report, at a convenient location for at least ten years.

Signature and Date	Mark March Printed or Typed Name	C8287 License Number
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## MONTHLY OPERATION REPORT FOR PWSs TREATING RAW GROUND WATER OR PURCHASED FINISHED WATER

See page 4 for instructions

**I. General Information for the Month Year of:** **April-05**

**A. Public Water System (PWS) Information**

PWS Name: Arredondo Estates		PWS Identification Number: 2010041	
PWS Type:	<input checked="" type="checkbox"/> Community	<input type="checkbox"/> Non-Transient Non-Community	<input type="checkbox"/> Transient Non-Community
Number of Service Connections at End of Month: 246		Total Population Served at End of Month: 738	
PWS Owner: Aqua Utilities Florida			
Contact Person: Brian Heath		Contact Person's Title: Area Manager - Florida	
Contact Person's Mailing Address: PO Box 490310		City: Leesburg	State: FL
Contact Person's Telephone Number: (352) 787-0980		Zip Code: 34749	
Contact Person's E-Mail Address: beheath@aquaaamerica.com		Contact Person's Fax Number: (352) 787-6333	

**B. Water Treatment Plant Information**

Plant Name: Arredondo Estates		Plant Telephone Number: (352) 787-0980		
Plant Address: SW 52nd Ave		City: Gainesville	State: FL	
Type of Water Treated by Plant:		<input checked="" type="checkbox"/> Raw Ground Water	<input type="checkbox"/> Purchased Finished Water	
Permitted Maximum Day Operating Capacity of Plant, gallons per day: 68,494				
Plant Category (per subsection 62-699.310(4), F.A.C.): V		Plant Class (per subsection 62-699.310(4), F.A.C.): C		
Licensed Operators	Name	License Class	License Number	Day(s)/Shift(s) Worked
Lead/Chief Operator:	Mark March	C	8287	6 Days per week
Other Operators:	Bob Maxon	C	2810	6 Days per week

**II. Certification by Lead Chief Operator**

I, the undersigned water treatment plant operator licensed in Florida, am the lead/chief operator of the water treatment plant identified in Part I of this report. I certify that the information provided in this report is true and accurate to the best of my knowledge. I certify that all drinking water treatment chemicals used at this plant conform to NSF International Standard 60 or other applicable standards referenced in subsection 62-555.320(3), F.A.C. I also certify that the following additional operations records for this plant were prepared each day that a licensed operator staffed or visited this plant during the month indicated above: (1) records of amounts of chemicals used and chemical feed rates; and (2) if applicable, appropriate treatment process performance records. Furthermore, I agree to provide these additional operations records to the PWS owner so the PWS owner can retain them, together with copies of this report, at a convenient location for at least ten years.

Signature and Date	Mark March Printed or Typed Name	C8287 License Number
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## MONTHLY OPERATION REPORT FOR PWSs TREATING RAW GROUND WATER OR PURCHASED FINISHED WATER

See page 4 for instructions

**I. General Information for the Month Year of: May-05**

**A. Public Water System (PWS) Information**

PWS Name: <u>Arredondo Estates</u>		PWS Identification Number: <u>2010041</u>	
PWS Type:	<input checked="" type="checkbox"/> Community	<input type="checkbox"/> Non-Transient Non-Community	<input type="checkbox"/> Transient Non-Community
Number of Service Connections at End of Month: <u>246</u>		Total Population Served at End of Month: <u>738</u>	
PWS Owner: <u>Aqua Utilities Florida</u>			
Contact Person: <u>Brian Heath</u>		Contact Person's Title: <u>Area Manager - Florida</u>	
Contact Person's Mailing Address: <u>PO Box 490310</u>		City: <u>Leesburg</u>	State: <u>FL</u> Zip Code: <u>34749</u>
Contact Person's Telephone Number: <u>(352) 787-0980</u>		Contact Person's Fax Number: <u>(352) 787-6333</u>	
Contact Person's E-Mail Address: <u>beheath@aquaaamerica.com</u>			

**B. Water Treatment Plant Information**

Plant Name: <u>Arredondo Estates</u>		Plant Telephone Number: <u>(352) 787-0980</u>		
Plant Address: <u>SW 52nd Ave</u>		City: <u>Gainesville</u>	State: <u>FL</u> Zip Code: <u>32608</u>	
Type of Water Treated by Plant:	<input checked="" type="checkbox"/> Raw Ground Water	<input type="checkbox"/> Purchased Finished Water		
Permitted Maximum Day Operating Capacity of Plant, gallons per day: <u>68,494</u>		Plant Class (per subsection 62-699.310(4), F.A.C.): <u>C</u>		
Plant Category (per subsection 62-699.310(4), F.A.C.): <u>V</u>				
Licensed Operators	Name	License Class	License Number	Day(s)/Shift(s) Worked
Lead/Chief Operator:	<u>Mark March</u>	<u>C</u>	<u>8287</u>	<u>6 Days per week</u>
Other Operators:	<u>Bob Maxon</u>	<u>C</u>	<u>2810</u>	<u>6 Days per week</u>
	<u>Paul Thompson</u>	<u>A</u>	<u>7251</u>	<u>6 Days per week</u>

**II. Certification by Lead Chief Operator**

I, the undersigned water treatment plant operator licensed in Florida, am the lead/chief operator of the water treatment plant identified in Part I of this report. I certify that the information provided in this report is true and accurate to the best of my knowledge. I certify that all drinking water treatment chemicals used at this plant conform to NSF International Standard 60 or other applicable standards referenced in subsection 62-555.320(3), F.A.C. I also certify that the following additional operations records for this plant were prepared each day that a licensed operator staffed or visited this plant during the month indicated above: (1) records of amounts of chemicals used and chemical feed rates; and (2) if applicable, appropriate treatment process performance records. Furthermore, I agree to provide these additional operations records to the PWS owner so the PWS owner can retain them, together with copies of this report, at a convenient location for at least ten years.

Signature and Date	<u>Mark March</u> Printed or Typed Name	<u>C8287</u> License Number
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## MONTHLY OPERATION REPORT FOR PWSs TREATING RAW GROUND WATER OR PURCHASED FINISHED WATER

PWS Identification Number: 2010041 Plant Name: Arredondo Estates

III. Daily Data for the Month Year of: **May-05**

Means of Achieving Four-Log Virus Inactivation/Removal: \*  Free Chlorine  Chlorine Dioxide  Ozone  Combined Chlorine (Chloramines)  
 Ultraviolet Radiation  Other (Describe):

Type of Disinfectant Residual Maintained in Distribution System:  Free Chlorine  Combined Chlorine (Chloramines)  Chlorine Dioxide

Day of the Month	Days Plant Staffed or Visited by Operator (Place "X")	Hours Plant in Operation	Net Quantity of Finished Water Produced, gal	CT Calculations, or UV Dose, to Demonstrate Four-Log Virus Inactivation, if Applicable*										Lowest Residual Disinfectant Concentration at Remote Point in Distribution System, mg/L	Emergency or Abnormal Operating Conditions; Repair or Maintenance Work that Involves Taking Water System Components Out of Operation	
				CT Calculations					UV Dose							
				Peak Flow Rate, gpd	Lowest Residual Disinfectant Concentration (C) Before or at First Customer During Peak Flow, mg/L	Disinfectant Contact Time (T) at C Measurement Point During Peak Flow, minutes	Lowest CT Provided Before or at First Customer During Peak Flow, mg-min/L	Temp. of Water, C	pH of Water, if Applicable	Minimum CT Required, mg-min/L	Lowest Operating UV Dose, mW-sec/cm2	Minimum UV Dose Required, mW-sec/cm2				
1		24 hrs	62,500													
2	X	24 hrs	63,000		1.6										1.4	
3	X	24 hrs	55,000		1.8										1.4	
4	X	24 hrs	52,000		1.4										1.2	
5	X	24 hrs	57,000		1.6										1.2	
6	X	24 hrs	60,000		1.6										1.4	
7		24 hrs	60,000													
8	X	24 hrs	75,000		1.8										1.4	
9	X	24 hrs	63,000		1.6										1.2	
10	X	24 hrs	69,000		1.8										1.4	
11	X	24 hrs	71,000		1.6										1.4	
12	X	24 hrs	78,000		1.6										1.2	
13	X	24 hrs	82,000		1.6										1.4	
14	X	24 hrs	75,000		1.4										1	
15		24 hrs	75,000													
16	X	24 hrs	71,000		1.4										1.2	
17	X	24 hrs	87,000		1.6										1.2	
18	X	24 hrs	96,000		1.6										1.4	
19	X	24 hrs	97,000		1.4										1.2	
20	X	24 hrs	87,000		1.4										1	
21	X	24 hrs	95,000		1.2										1	
22		24 hrs	96,000													
23	X	24 hrs	89,000		1.4										1.2	
24	X	24 hrs	66,000		1.2										1	
25	X	24 hrs	88,000		1.4										1	
26	X	24 hrs	71,000		1										1	
27	X	24 hrs	68,000		1.2										0.9	
28	X	24 hrs	75,000		1.2										1	
29		24 hrs	75,000													
30	X	24 hrs	94,000		1										0.6	
31	X	24 hrs	67,000		1										0.5	
<b>Total</b>			2,319,500													
<b>Average</b>			74,823													
<b>Maximum</b>			97,000													

\* Refer to the instructions for this report to determine which plants must provide this information.



## MONTHLY OPERATION REPORT FOR PWSs TREATING RAW GROUND WATER OR PURCHASED FINISHED WATER

See page 4 for instructions

**I. General Information for the Month Year of:** **June-05**

**A. Public Water System (PWS) Information**

PWS Name: Arredondo Estates		PWS Identification Number: 2010041	
PWS Type:	<input checked="" type="checkbox"/> Community	<input type="checkbox"/> Non-Transient Non-Community	<input type="checkbox"/> Transient Non-Community
Number of Service Connections at End of Month: 246		Total Population Served at End of Month: 738	
PWS Owner: Aqua Utilities Florida			
Contact Person: Brian Heath		Contact Person's Title: Area Manager - Florida	
Contact Person's Mailing Address: PO Box 490310		City: Leesburg	State: FL
Contact Person's Telephone Number: (352) 787-0980		Contact Person's Fax Number: (352) 787-6333	
Contact Person's E-Mail Address: beheath@aquamerica.com			

**B. Water Treatment Plant Information**

Plant Name: Arredondo Estates		Plant Telephone Number: (352) 787-0980		
Plant Address: SW 52nd Ave		City: Gainesville	State: FL	
Type of Water Treated by Plant: <input checked="" type="checkbox"/> Raw Ground Water		<input type="checkbox"/> Purchased Finished Water		
Permitted Maximum Day Operating Capacity of Plant, gallons per day: 68,494				
Plant Category (per subsection 62-699.310(4), F.A.C.): V		Plant Class (per subsection 62-699.310(4), F.A.C.): C		
Licensed Operators	Name	License Class	License Number	Day(s)/Shift(s) Worked
<b>Lead/Chief Operator:</b>	Mark March	C	8287	6 Days per week
<b>Other Operators:</b>	Bob Maxon	C	2810	6 Days per week
	Paul Thompson	A	7251	6 Days per week

**II. Certification by Lead Chief Operator**

I, the undersigned water treatment plant operator licensed in Florida, am the lead/chief operator of the water treatment plant identified in Part I of this report. I certify that the information provided in this report is true and accurate to the best of my knowledge. I certify that all drinking water treatment chemicals used at this plant conform to NSF International Standard 60 or other applicable standards referenced in subsection 62-555.320(3), F.A.C. I also certify that the following additional operations records for this plant were prepared each day that a licensed operator staffed or visited this plant during the month indicated above: (1) records of amounts of chemicals used and chemical feed rates; and (2) if applicable, appropriate treatment process performance records. Furthermore, I agree to provide these additional operations records to the PWS owner so the PWS owner can retain them, together with copies of this report, at a convenient location for at least ten years.

Signature and Date	Mark March Printed or Typed Name	C8287 License Number
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## MONTHLY OPERATION REPORT FOR PWSs TREATING RAW GROUND WATER OR PURCHASED FINISHED WATER

PWS Identification Number: 2010041 Plant Name: Arredondo Estates

III. Daily Data for the Month Year of: **June-05**

Means of Achieving Four-Log Virus Inactivation/Removal: \*  Free Chlorine  Chlorine Dioxide  Ozone  Combined Chlorine (Chloramines)  
 Ultraviolet Radiation  Other (Describe):

Type of Disinfectant Residual Maintained in Distribution System:  Free Chlorine  Combined Chlorine (Chloramines)  Chlorine Dioxide

Day of the Month	Days Plant Staffed or Visited by Operator (Place "X")	Hours Plant in Operation	Net Quantity of Finished Water Produced, gal	CT Calculations, or UV Dose, to Demonstrate Four-Log Virus Inactivation, if Applicable*										Lowest Residual Disinfectant Concentration at Remote Point in Distribution System, mg/L	Emergency or Abnormal Operating Conditions; Repair or Maintenance Work that Involves Taking Water System Components Out of Operation	
				CT Calculations					UV Dose							
				Peak Flow Rate, gpd	Lowest Residual Disinfectant Concentration (C) Before or at First Customer During Peak Flow, mg/L	Disinfectant Contact Time (T) at C Measurement Point During Peak Flow, minutes	Lowest CT Provided Before or at First Customer During Peak Flow, mg-min/L	Temp. of Water, C	pH of Water, if Applicable	Minimum CT Required, mg-min/L	Lowest Operating UV Dose, mW-sec/cm2	Minimum UV Dose Required, mW sec/cm2				
1	X	24 hrs	72,000		1.4										1	
2	X	24 hrs	69,000		1										1.6	
3	X	24 hrs	53,000		1.6										0.4	
4	X	24 hrs	69,000		0.9										0.4	
5		24 hrs	69,000													
6	X	24 hrs	69,000		1.2										1	
7	X	24 hrs	66,000		1.4										1.2	
8	X	24 hrs	76,000		1.4										1	
9	X	24 hrs	69,000		1.2										1	
10	X	24 hrs	66,000		1.4										1.2	
11		24 hrs	66,000													
12	X	24 hrs	76,000		1.4										1.2	
13	X	24 hrs	56,000		1.6										1.2	
14	X	24 hrs	65,000		1.4										1.2	
15	X	24 hrs	68,000		1.4										1	
16	X	24 hrs	76,000		1.2										1.8	
17	X	24 hrs	59,000		1.4										1	
18		24 hrs	60,000													
19	X	24 hrs	46,000		1.2											
20	X	24 hrs	41,000		1.4										1.2	
21	X	24 hrs	45,000		1.4										1	
22	X	24 hrs	60,000		1.6										1.2	
23	X	24 hrs	70,000		1.4										1.2	
24	X	24 hrs	56,000		1.6										1.2	
25	X	24 hrs	68,500		1										0.6	
26		24 hrs	68,500													
27	X	24 hrs	46,000		1.2										1	
28	X	24 hrs	42,000		1.4										1.2	
29	X	24 hrs	50,000		1.4										1	
30	X	24 hrs	56,000		1.6										1.2	
31		24 hrs														
<b>Total</b>			1,853,000													
<b>Average</b>			61,767													
<b>Maximum</b>			76,000													

\* Refer to the instructions for this report to determine which plants must provide this information.



# MONTHLY OPERATION REPORT FOR PWSs TREATING RAW GROUND WATER OR PURCHASED FINISHED WATER

See page 4 for instructions

**I. General Information for the Month Year of:** **July-05**

**A. Public Water System (PWS) Information**

PWS Name: Arredondo Estates		PWS Identification Number: 2010041	
PWS Type:	<input checked="" type="checkbox"/> Community	<input type="checkbox"/> Non-Transient Non-Community	<input type="checkbox"/> Transient Non-Community
Number of Service Connections at End of Month: 246		Total Population Served at End of Month: 738	
PWS Owner: Aqua Utilities Florida			
Contact Person: Brian Heath	Contact Person's Title: Area Manager - Florida		
Contact Person's Mailing Address: PO Box 490310	City: Leesburg	State: FL	Zip Code: 34749
Contact Person's Telephone Number: (352) 787-0980	Contact Person's Fax Number: (352) 787-6333		
Contact Person's E-Mail Address: beheath@aquaaamerica.com			

**B. Water Treatment Plant Information**

Plant Name: Arredondo Estates		Plant Telephone Number: (352) 787-0980	
Plant Address: SW 52nd Ave		City: Gainesville	State: FL
Type of Water Treated by Plant: <input checked="" type="checkbox"/> Raw Ground Water		<input type="checkbox"/> Purchased Finished Water	
Permitted Maximum Day Operating Capacity of Plant, gallons per day: 68,494			
Plant Category (per subsection 62-699.310(4), F.A.C.): V		Plant Class (per subsection 62-699.310(4), F.A.C.): C	

Licensed Operators	Name	License Class	License Number	Day(s)/Shift(s) Worked
<b>Lead/Chief Operator:</b>	Mark March	C	8287	6 Days per week
<b>Other Operators:</b>	Gary Kissick	C	7846	6 Days per week
	Paul Thompson	A	7251	6 Days per week

**II. Certification by Lead Chief Operator**

I, the undersigned water treatment plant operator licensed in Florida, am the lead/chief operator of the water treatment plant identified in Part I of this report. I certify that the information provided in this report is true and accurate to the best of my knowledge. I certify that all drinking water treatment chemicals used at this plant conform to NSF International Standard 60 or other applicable standards referenced in subsection 62-555.320(3), F.A.C. I also certify that the following additional operations records for this plant were prepared each day that a licensed operator staffed or visited this plant during the month indicated above: (1) records of amounts of chemicals used and chemical feed rates; and (2) if applicable, appropriate treatment process performance records. Furthermore, I agree to provide these additional operations records to the PWS owner so the PWS owner can retain them, together with copies of this report, at a convenient location for at least ten years.

Signature and Date	Mark March Printed or Typed Name	C8287 License Number
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## MONTHLY OPERATION REPORT FOR PWSs TREATING RAW GROUND WATER OR PURCHASED FINISHED WATER

PWS Identification Number: 2010041 Plant Name: Arredondo Estates

III. Daily Data for the Month Year of: **July-05**

Means of Achieving Four-Log Virus Inactivation/Removal: \*  Free Chlorine  Chlorine Dioxide  Ozone  Combined Chlorine (Chloramines)  
 Ultraviolet Radiation  Other (Describe):

Type of Disinfectant Residual Maintained in Distribution System:  Free Chlorine  Combined Chlorine (Chloramines)  Chlorine Dioxide

Day of the Month	Days Plant Staffed or Visited by Operator (Place "X")	Hours Plant in Operation	Net Quantity of Finished Water Produced, gal	CT Calculations, or UV Dose, to Demonstrate Four-Log Virus Inactivation, if Applicable*										Lowest Residual Disinfectant Concentration at Remote Point in Distribution System, mg/L	Emergency or Abnormal Operating Conditions; Repair or Maintenance Work that Involves Taking Water System Components Out of Operation
				CT Calculations					UV Dose						
				Peak Flow Rate, gpd	Lowest Residual Disinfectant Concentration (C) Before or at First Customer During Peak Flow, mg/L	Disinfectant Contact Time (T) at C Measurement Point During Peak Flow, minutes	Lowest CT Provided Before or at First Customer During Peak Flow, mg-min/L	Temp. of Water, C	pH of Water, if Applicable	Minimum CT Required, mg-min/L	Lowest Operating UV Dose, mW-sec/cm2	Minimum UV Dose Required, mW-sec/cm2			
1	X	24 hrs	51,000		1.4									1.2	
2	X	24 hrs	66,000		1.2									1	
3		24 hrs	66,000												
4	X	24 hrs	26,000		1									0.8	
5	X	24 hrs	44,000		1									0.6	
6	X	24 hrs	61,000		1									0.8	
7	X	24 hrs	53,000		1.2									1	
8	X	24 hrs	60,000		1.2									0.8	
9	X	24 hrs	40,000		1									1	
10		24 hrs	41,000												
11	X	24 hrs	47,000		1.6									1.2	
12	X	24 hrs	68,000		1.4									1.2	
13	X	24 hrs	41,000		1.2									1	
14	X	24 hrs	53,000		1.4									1.2	
15	X	24 hrs	54,000		1.2									1	
16	X	24 hrs	48,000		1.4									1.2	
17		24 hrs	48,000												
18	X	24 hrs	44,000		1.2									1	
19	X	24 hrs	48,000		1									0.6	
20	X	24 hrs	53,000		1.6									1.2	
21	X	24 hrs	49,000		1.8									1.4	
22	X	24 hrs	42,000		1.6									1.4	
23	X	24 hrs	60,000		1.9									1.4	
24		24 hrs	61,000												
25	X	24 hrs	55,000		1.8									1.2	
26	X	24 hrs	55,000		1.6									1.4	
27	X	24 hrs	66,000		1.6									1.2	
28	X	24 hrs	77,000		1.6									1.4	
29	X	24 hrs	52,000		1.8									1.4	
30	X	24 hrs	58,000		1.4									1.2	
31		24 hrs	58,000												

<b>Total</b>	1,645,000
<b>Average</b>	53,065
<b>Maximum</b>	77,000

\* Refer to the instructions for this report to determine which plants must provide this information.





## MONTHLY OPERATION REPORT FOR PWSs TREATING RAW GROUND WATER OR PURCHASED FINISHED WATER

PWS Identification Number: 2010041 Plant Name: Arredondo Estates

III. Daily Data for the Month Year of: **August-05**

Means of Achieving Four-Log Virus Inactivation/Removal: \*  Free Chlorine  Chlorine Dioxide  Ozone  Combined Chlorine (Chloramines)  
 Ultraviolet Radiation  Other (Describe):

Type of Disinfectant Residual Maintained in Distribution System:  Free Chlorine  Combined Chlorine (Chloramines)  Chlorine Dioxide

Day of the Month	Days Plant Staffed or Visited by Operator (Place "X")	Hours Plant in Operation	Net Quantity of Finished Water Produced, gal	CT Calculations, or UV Dose, to Demonstrate Four-Log Virus Inactivation, if Applicable*										Lowest Residual Disinfectant Concentration at Remote Point in Distribution System, mg/L	Emergency or Abnormal Operating Conditions; Repair or Maintenance Work that Involves Taking Water System Components Out of Operation
				CT Calculations					UV Dose						
				Peak Flow Rate, gpd	Lowest Residual Disinfectant Concentration (C) Before or at First Customer During Peak Flow, mg/L	Disinfectant Contact Time (T) at C Measurement Point During Peak Flow, minutes	Lowest CT Provided Before or at First Customer During Peak Flow, mg-min/L	Temp. of Water, C	pH of Water, if Applicable	Minimum CT Required, mg-min/L	Lowest Operating UV Dose, mW-sec/cm2	Minimum UV Dose Required, mW-sec/cm2			
1	X	24 hrs	55,000		1.6									1.2	
2	X	24 hrs	42,000		1.8									1.4	
3	X	24 hrs	51,000		1.6									1.2	
4	X	24 hrs	58,000		1.6									1.4	
5	X	24 hrs	51,000		1.5									1.4	
6		24 hrs	51,000												
7	X	24 hrs	44,000		1.8									1	
8	X	24 hrs	54,000		1.6									1.4	
9	X	24 hrs	58,000		1.8									1.4	
10	X	24 hrs	41,000		1.6									1.3	
11	X	24 hrs	42,000		1.8									1.2	
12	X	24 hrs	51,000		1.6									1.2	
13	X	24 hrs	53,000		1.4									1.2	
14		24 hrs	54,000												
15	X	24 hrs	60,000		1.6									1.4	
16	X	24 hrs	85,000		1.4									1	
17	X	24 hrs	36,000		1.6									1.2	
18	X	24 hrs	56,000		1.6									0.5	
19	X	24 hrs	60,000		1.2									1	
20		24 hrs	60,000												
21	X	24 hrs	70,000		1									0.8	
22	X	24 hrs	63,000		1.2									1	
23	X	24 hrs	60,000		1									0.8	
24	X	24 hrs	50,000		1.4									1	
25	X	24 hrs	80,000		1.4									1.2	
26	X	24 hrs	55,000		1.2									1	
27	X	24 hrs	63,000		0.6									0.6	
28		24 hrs	64,000												
29	X	24 hrs	37,000		0.8									0.8	
30	X	24 hrs	52,000		1									0.8	
31	X	24 hrs	46,000		0.6									0.4	
<b>Total</b>			1,702,000												
<b>Average</b>			54,903												
<b>Maximum</b>			85,000												

\* Refer to the instructions for this report to determine which plants must provide this information.



# MONTHLY OPERATION REPORT FOR PWSs TREATING RAW GROUND WATER OR PURCHASED FINISHED WATER

See page 4 for instructions

**I. General Information for the Month Year of:** September-05

<b>A. Public Water System (PWS) Information</b>			
PWS Name:	Arredondo Estates	PWS Identification Number:	2010041
PWS Type:	<input checked="" type="checkbox"/> Community <input type="checkbox"/> Non-Transient Non-Community <input type="checkbox"/> Transient Non-Community <input type="checkbox"/> Consecutive		
Number of Service Connections at End of Month:	246	Total Population Served at End of Month:	738
PWS Owner:	Aqua Utilities Florida		
Contact Person:	Brian Heath	Contact Person's Title:	Area Manager
Contact Person's Mailing Address:	PO Box 490310	City:	Leesburg State: FL Zip Code: 34749
Contact Person's Telephone Number:	(352) 787-0980	Contact Person's Fax Number:	(352) 787-6333
Contact Person's E-Mail Address:	beheath@aquaaamerica.com		

<b>B. Water Treatment Plant Information</b>				
Plant Name:	Arredondo Estates	Plant Telephone Number:	(352) 787-0980	
Plant Address:	SW 52nd Ave	City:	Gainesville State: FL Zip Code: 32608	
Type of Water Treated by Plant:	<input checked="" type="checkbox"/> Raw Ground Water <input type="checkbox"/> Purchased Finished Water			
Permitted Maximum Day Operating Capacity of Plant, gallons per day:	68,494			
Plant Category (per subsection 62-699.310(4), F.A.C.):	V		Plant Class (per subsection 62-699.310(4), F.A.C.): C	
<b>Licensed Operators</b>	<b>Name</b>	<b>License Class</b>	<b>License Number</b>	<b>Day(s)/Shift(s) Worked</b>
<b>Lead/Chief Operator:</b>	Paul Thompson	A	7251	6 Days per week
<b>Other Operators:</b>	Mark March	C	8287	6 Days per week
	Gary Kissick	C	7846	6 Days per week

**II. Certification by Lead Chief Operator**

I, the undersigned water treatment plant operator licensed in Florida, am the lead/chief operator of the water treatment plant identified in Part I of this report. I certify that the information provided in this report is true and accurate to the best of my knowledge. I certify that all drinking water treatment chemicals used at this plant conform to NSF International Standard 60 or other applicable standards referenced in subsection 62-555.320(3), F.A.C. I also certify that the following additional operations records for this plant were prepared each day that a licensed operator staffed or visited this plant during the month indicated above: (1) records of amounts of chemicals used and chemical feed rates; and (2) if applicable, appropriate treatment process performance records. Furthermore, I agree to provide these additional operations records to the PWS owner so the PWS owner can retain them, together with copies of this report, at a convenient location for at least ten years.

Signature and Date	Paul Thompson Printed or Typed Name	A7251 License Number
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**MONTHLY OPERATION REPORT FOR PWSs TREATING RAW GROUND WATER OR PURCHASED FINISHED WATER**

PWS Identification Number: 2010041 Plant Name: Arredondo Estates

III. Daily Data for the Month Year of **September-05**

Means of Achieving Four-Log Virus Inactivation/Removal: \*  Free Chlorine  Chlorine Dioxide  Ozone  Combined Chlorine (Chloramines)

Type of Disinfectant Residual Maintained in Distribution System:  Free Chlorine  Combined Chlorine (Chloramines)  Chlorine Dioxide

Days Satisfied or Visited by Operator (Place "X")	Hours Plant in Operation	Net Quantity of Finished Water Produced, gal	Peak Flow Rate, gpd	Lowest Residual Disinfectant Concentration (T) at C Before or at First Customer Measurement Point During Peak Flow, mg/L	Disinfectant Contact Time at C During Peak Flow, minutes	Temp. of Water, C	pH of Water, If Applicable	Minimum CT Required, mg-min/L	Lowest Operating UV Dose, sec/cm <sup>2</sup>	Minimum UV Dose Required, mW-sec/cm <sup>2</sup>	Lowest Disinfectant Residual Concentration at Remote Point in Distribution System, mg/L	Emergency or Abnormal Operating Conditions, Repair or Maintenance Work that Involves Taking Water System Components Out of Operation	CT Calculations, or UV Dose, to Demonstrate Four-Log Virus Inactivation, if Applicable*			
													UV Dose	CT	UV Dose	
1	X	44,000		0.8							0.6					
2	X	49,000		0.8							0.5					
3	X	51,000		2.8							1.6					
4		50,000														
5	X	65,000		1.2							1.2					
6	X	46,000		2.6							1.2					
7	X	42,000		2.6							1.2					
8	X	53,000		2.2							1.8					
9	X	63,000		2.4							1.6					
10		64,000														
11	X	50,000		2							1.6					
12	X	53,000		2							1.8					
13	X	58,000		1.6							1.4					
14	X	68,000		1.6							1.2					
15	X	78,000		1.6							1.4					
16	X	61,000		1.4							1.2					
17	X	59,000		1.6							1.4					
18		59,000														
19	X	64,000		1.4							1					
20	X	54,000		1.6							1.2					
21	X	44,000		1.8							1.4					
22	X	55,000		1.6							1.4					
23	X	66,000		1.4							1.2					
24		66,000														
25	X	61,000		1.4							1					
26	X	66,000		1.6							1.2					
27	X	44,000		1.4							1.2					
28	X	77,000		1.6							1.2					
29	X	51,000		1.4							1					
30	X	52,000		1.6							1.4					
31																
Total		1,713,000														
Average		57,100														
Maximum		78,000														

\* Refer to the instructions for this report to determine which plants must provide this information.



# MONTHLY OPERATION REPORT FOR PWSs TREATING RAW GROUND WATER OR PURCHASED FINISHED WATER

See page 4 for instructions

**I. General Information for the Month Year of: October-05**

**A. Public Water System (PWS) Information**

PWS Name: <u>Arredondo Estates</u>		PWS Identification Number: <u>2010041</u>	
PWS Type: <input checked="" type="checkbox"/> Community	<input type="checkbox"/> Non-Transient Non-Community	<input type="checkbox"/> Transient Non-Community	<input type="checkbox"/> Consecutive
Number of Service Connections at End of Month: <u>246</u>	Total Population Served at End of Month: <u>738</u>		
PWS Owner: <u>Aqua Utilities Florida</u>			
Contact Person: <u>Brian Heath</u>		Contact Person's Title: <u>Area Manager</u>	
Contact Person's Mailing Address: <u>PO Box 490310</u>		City: <u>Leesburg</u>	State: <u>FL</u> Zip Code: <u>34749</u>
Contact Person's Telephone Number: <u>(352) 787-0980</u>		Contact Person's Fax Number: <u>(352) 787-6333</u>	
Contact Person's E-Mail Address: <u>beheath@aquaaamerica.com</u>			

**B. Water Treatment Plant Information**

Plant Name: <u>Arredondo Estates</u>		Plant Telephone Number: <u>(352) 787-0980</u>		
Plant Address: <u>SW 52nd Ave</u>		City: <u>Gainesville</u>	State: <u>FL</u> Zip Code: <u>32608</u>	
Type of Water Treated by Plant: <input checked="" type="checkbox"/> Raw Ground Water <input type="checkbox"/> Purchased Finished Water				
Permitted Maximum Day Operating Capacity of Plant, gallons per day: <u>68,494</u>				
Plant Category (per subsection 62-699.310(4), F.A.C.): <u>V</u>		Plant Class (per subsection 62-699.310(4), F.A.C.): <u>C</u>		
Licensed Operators	Name	License Class	License Number	Day(s)/Shift(s) Worked
<b>Lead/Chief Operator:</b>	<u>Paul Thompson</u>	<u>A</u>	<u>7251</u>	<u>6 Days per week</u>
<b>Other Operators:</b>	<u>Mark March</u>	<u>C</u>	<u>8287</u>	<u>6 Days per week</u>
	<u>Gary Kissick</u>	<u>C</u>	<u>7846</u>	<u>6 Days per week</u>

**II. Certification by Lead Chief Operator**

I, the undersigned water treatment plant operator licensed in Florida, am the lead/chief operator of the water treatment plant identified in Part I of this report. I certify that the information provided in this report is true and accurate to the best of my knowledge. I certify that all drinking water treatment chemicals used at this plant conform to NSF International Standard 60 or other applicable standards referenced in subsection 62-555.320(3), F.A.C. I also certify that the following additional operations records for this plant were prepared each day that a licensed operator staffed or visited this plant during the month indicated above: (1) records of amounts of chemicals used and chemical feed rates; and (2) if applicable, appropriate treatment process performance records. Furthermore, I agree to provide these additional operations records to the PWS owner so the PWS owner can retain them, together with copies of this report, at a convenient location for at least ten years.

	Paul Thompson	A7251
Signature and Date	Printed or Typed Name	License Number





# MONTHLY OPERATION REPORT FOR PWSs TREATING RAW GROUND WATER OR PURCHASED FINISHED WATER

See page 4 for instructions

**I. General Information for the Month Year of: November-05**

**A. Public Water System (PWS) Information**

PWS Name: <u>Arredondo Estates</u>		PWS Identification Number: <u>2010041</u>	
PWS Type: <input checked="" type="checkbox"/> Community	<input type="checkbox"/> Non-Transient Non-Community	<input type="checkbox"/> Transient Non-Community	<input type="checkbox"/> Consecutive
Number of Service Connections at End of Month: <u>246</u>		Total Population Served at End of Month: <u>738</u>	
PWS Owner: <u>Aqua Utilities Florida</u>			
Contact Person: <u>Brian Heath</u>		Contact Person's Title: <u>Area Manager</u>	
Contact Person's Mailing Address: <u>PO Box 490310</u>		City: <u>Leesburg</u>	State: <u>FL</u> Zip Code: <u>34749</u>
Contact Person's Telephone Number: <u>(352) 787-0980</u>		Contact Person's Fax Number: <u>(352) 787-6333</u>	
Contact Person's E-Mail Address: <u>beheath@aquaamerica.com</u>			

**B. Water Treatment Plant Information**

Plant Name: <u>Arredondo Estates</u>		Plant Telephone Number: <u>(352) 787-0980</u>		
Plant Address: <u>SW 52nd Ave</u>		City: <u>Gainesville</u>	State: <u>FL</u> Zip Code: <u>32608</u>	
Type of Water Treated by Plant: <input checked="" type="checkbox"/> Raw Ground Water <input type="checkbox"/> Purchased Finished Water				
Permitted Maximum Day Operating Capacity of Plant, gallons per day: <u>68,494</u>				
Plant Category (per subsection 62-699.310(4), F.A.C.): <u>V</u>		Plant Class (per subsection 62-699.310(4), F.A.C.): <u>C</u>		
Licensed Operators	Name	License Class	License Number	Day(s)/Shift(s) Worked
Lead/Chief Operator:	<u>Paul Thompson</u>	<u>A</u>	<u>7251</u>	<u>6 Days per week</u>
Other Operators:	<u>Mark March</u>	<u>C</u>	<u>8287</u>	<u>6 Days per week</u>
	<u>Gary Kissick</u>	<u>C</u>	<u>7846</u>	<u>6 Days per week</u>

**II. Certification by Lead Chief Operator**

I, the undersigned water treatment plant operator licensed in Florida, am the lead/chief operator of the water treatment plant identified in Part I of this report. I certify that the information provided in this report is true and accurate to the best of my knowledge. I certify that all drinking water treatment chemicals used at this plant conform to NSF International Standard 60 or other applicable standards referenced in subsection 62-555.320(3), F.A.C. I also certify that the following additional operations records for this plant were prepared each day that a licensed operator staffed or visited this plant during the month indicated above: (1) records of amounts of chemicals used and chemical feed rates; and (2) if applicable, appropriate treatment process performance records. Furthermore, I agree to provide these additional operations records to the PWS owner so the PWS owner can retain them, together with copies of this report, at a convenient location for at least ten years.

Signature and Date	Paul Thompson Printed or Typed Name	A7251 License Number
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# MONTHLY OPERATION REPORT FOR PWSs TREATING RAW GROUND WATER OR PURCHASED FINISHED WATER

PWS Identification Number: 2010041 Plant Name: Arredondo Estates

III. Daily Data for the Month Year of: **November-05**

Means of Achieving Four-Log Virus Inactivation/Removal: \*  Free Chlorine  Chlorine Dioxide  Ozone  Combined Chlorine (Chloramines)  
 Ultraviolet Radiation  Other (Describe):

Type of Disinfectant Residual Maintained in Distribution System:  Free Chlorine  Combined Chlorine (Chloramines)  Chlorine Dioxide

Day of the Month	Days Plant Staffed or Visited by Operator (Place "X")	Hours Plant in Operation	Net Quantity of Finished Water Produced, gal	CT Calculations, or UV Dose, to Demonstrate Four-Log Virus Inactivation, if Applicable*										Lowest Residual Disinfectant Concentration at Remote Point in Distribution System, mg/L	Emergency or Abnormal Operating Conditions; Repair or Maintenance Work that Involves Taking Water System Components Out of Operation	
				CT Calculations					UV Dose							
				Peak Flow Rate, gpd	Lowest Residual Disinfectant Concentration (C) Before or at First Customer During Peak Flow, mg/L	Disinfectant Contact Time (T) at C Measurement Point During Peak Flow, minutes	Lowest CT Provided Before or at First Customer During Peak Flow, mg-min/L	Temp. of Water, C	pH of Water, if Applicable	Minimum CT Required, mg-min/L	Lowest Operating UV Dose, mW-sec/cm2	Minimum UV Dose Required, mW-sec/cm2				
1	X	24 hrs	54,000		1.4										1.2	
2	X	24 hrs	40,000		1.2										1	
3	X	24 hrs	50,000		1.2										1	
4	X	24 hrs	54,000		1.2										1.2	
5		24 hrs	54,000													
6	X	24 hrs	49,000		1.4										1	
7	X	24 hrs	48,000		1.2										1	
8	X	24 hrs	50,000		1										0.8	
9	X	24 hrs	59,000		1.2										1	
10	X	24 hrs	32,000		1.2										1	
11	X	24 hrs	44,000		1.4										1	
12	X	24 hrs	39,000		1.2										1	
13	X	24 hrs	39,000		1										1	
14	X	24 hrs	50,000		1										0.8	
15		24 hrs	51,000													
16	X	24 hrs	104,000		1.2										1	
17	X	24 hrs	62,000		1.2										0.8	
18	X	24 hrs	37,000		1										0.6	
19	X	24 hrs	60,000		1.2										1	
20		24 hrs	59,000													
21	X	24 hrs	52,000		3										1.8	
22	X	24 hrs	44,000		3										2	
23	X	24 hrs	38,000		2.8										1.8	
24	X	24 hrs	57,000		2.8										1.9	
25	X	24 hrs	49,000		3										1.8	
26	X	24 hrs	61,000		2.7										1.7	
27		24 hrs	61,000													
28	X	24 hrs	48,000		2.7										1.8	
29	X	24 hrs	51,000		2.4										1.8	
30	X	24 hrs	48,000		2.4										1.6	
31		24 hrs														
<b>Total</b>			1,544,000													
<b>Average</b>			51,467													
<b>Maximum</b>			104,000													

\* Refer to the instructions for this report to determine which plants must provide this information.





## MONTHLY OPERATION REPORT FOR PWSs TREATING RAW GROUND WATER OR PURCHASED FINISHED WATER

See page 4 for instructions

**I. General Information for the Month Year of:** **December-05**

**A. Public Water System (PWS) Information**

PWS Name: Arredondo Estates		PWS Identification Number: 2010041	
PWS Type:	<input checked="" type="checkbox"/> Community	<input type="checkbox"/> Non-Transient Non-Community	<input type="checkbox"/> Transient Non-Community <input type="checkbox"/> Consecutive
Number of Service Connections at End of Month:	246	Total Population Served at End of Month:	738
PWS Owner: Aqua Utilities Florida			
Contact Person:	Brian Heath	Contact Person's Title:	Area Manager
Contact Person's Mailing Address:	PO Box 490310	City:	Leesburg State: FL Zip Code: 34749
Contact Person's Telephone Number:	(352) 787-0980	Contact Person's Fax Number:	(352) 787-6333
Contact Person's E-Mail Address:	beheath@aquaaamerica.com		

**B. Water Treatment Plant Information**

Plant Name: Arredondo Estates		Plant Telephone Number: (352) 787-0980		
Plant Address: SW 52nd Ave		City: Gainesville	State: FL Zip Code: 32608	
Type of Water Treated by Plant:	<input checked="" type="checkbox"/> Raw Ground Water	<input type="checkbox"/> Purchased Finished Water		
Permitted Maximum Day Operating Capacity of Plant, gallons per day: 68,494				
Plant Category (per subsection 62-699.310(4), F.A.C.): V		Plant Class (per subsection 62-699.310(4), F.A.C.): C		
<b>Licensed Operators</b>	<b>Name</b>	<b>License Class</b>	<b>License Number</b>	<b>Day(s)/Shift(s) Worked</b>
<b>Lead/Chief Operator:</b>	Paul Thompson	A	7251	6 Days per week
<b>Other Operators:</b>	Mark March	C	8287	6 Days per week
	Gary Kissick	C	7846	6 Days per week

**II. Certification by Lead Chief Operator**

I, the undersigned water treatment plant operator licensed in Florida, am the lead/chief operator of the water treatment plant identified in Part I of this report. I certify that the information provided in this report is true and accurate to the best of my knowledge. I certify that all drinking water treatment chemicals used at this plant conform to NSF International Standard 60 or other applicable standards referenced in subsection 62-555.320(3), F.A.C. I also certify that the following additional operations records for this plant were prepared each day that a licensed operator staffed or visited this plant during the month indicated above: (1) records of amounts of chemicals used and chemical feed rates; and (2) if applicable, appropriate treatment process performance records. Furthermore, I agree to provide these additional operations records to the PWS owner so the PWS owner can retain them, together with copies of this report, at a convenient location for at least ten years.

\_\_\_\_\_  
Signature and Date

Paul Thompson  
\_\_\_\_\_  
Printed or Typed Name

A7251  
\_\_\_\_\_  
License Number

## MONTHLY OPERATION REPORT FOR PWSs TREATING RAW GROUND WATER OR PURCHASED FINISHED WATER

PWS Identification Number: 2010041 Plant Name: Arredondo Estates

III. Daily Data for the Month Year of: **December-05**

Means of Achieving Four-Log Virus Inactivation/Removal: \*  Free Chlorine  Chlorine Dioxide  Ozone  Combined Chlorine (Chloramines)  
 Ultraviolet Radiation  Other (Describe):

Type of Disinfectant Residual Maintained in Distribution System:  Free Chlorine  Combined Chlorine (Chloramines)  Chlorine Dioxide

Day of the Month	Days Plant Staffed or Visited by Operator (Place "X")	Hours Plant in Operation	Net Quantity of Finished Water Produced, gal	CT Calculations, or UV Dose, to Demonstrate Four-Log Virus Inactivation, if Applicable*										Emergency or Abnormal Operating Conditions; Repair or Maintenance Work that Involves Taking Water System Components Out of Operation	
				CT Calculations					UV Dose						
				Peak Flow Rate, gpd	Lowest Residual Disinfectant Concentration (C) Before or at First Customer During Peak Flow, mg/L	Disinfectant Contact Time (T) at C Measurement Point During Peak Flow, minutes	Lowest CT Provided Before or at First Customer During Peak Flow, mg-min/L	Temp. of Water, C	pH of Water, if Applicable	Minimum CT Required, mg-min/L	Lowest Operating UV Dose, mW-sec/cm2	Minimum UV Dose Required, mW-sec/cm2	Lowest Residual Disinfectant Concentration at Remote Point in Distribution System, mg/L		
1	X	24 hrs	49,000		1.8									1.6	
2	X	24 hrs	52,000		1.8									1.4	
3		24 hrs	52,000												
4	X	24 hrs	65,000		1.6									1.2	
5	X	24 hrs	52,000		1.4									1.2	
6	X	24 hrs	49,000		1.8									1.4	
7	X	24 hrs	38,000		1.8									1.6	
8	X	24 hrs	46,000		1.8									1.4	
9	X	24 hrs	52,000		1.6									1.4	
10		24 hrs	52,000												
11	X	24 hrs	54,000		1.4									1.4	
12	X	24 hrs	55,000		1.6									1.4	
13	X	24 hrs	50,000		1.4									1.2	
14	X	24 hrs	46,000		1.8									1.6	
15	X	24 hrs	45,000		1.6									1.4	
16	X	24 hrs	56,000		1.8									1.4	
17		24 hrs	56,000												
18	X	24 hrs	46,000		1.6									1.2	
19	X	24 hrs	48,000		1.4									1.2	
20	X	24 hrs	46,000		1.4									1	
21	X	24 hrs	41,000		1.6									1.4	
22	X	24 hrs	52,000		1.4									1.2	
23	X	24 hrs	55,000		1.6									1.4	
24	X	24 hrs	41,000		1.6									1.4	
25		24 hrs	41,000												
26	X	24 hrs	49,000		1.6									1.2	
27	X	24 hrs	50,000		1.4									1.2	
28	X	24 hrs	43,000		1.4									1.2	
29	X	24 hrs	41,000		1.6									1.4	
30	X	24 hrs	40,000		1.8									1.4	
31		24 hrs	40,000												
<b>Total</b>			1,502,000												
<b>Average</b>			48,452												
<b>Maximum</b>			65,000												

\* Refer to the instructions for this report to determine which plants must provide this information.