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July 9, 1999

Via Federal Express

Ms. Blanca Bayo, Director
Division of Records & Reporting
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, FL 32399-0850

Re: Docket No. 980817-WS
Application for Amendment of Certificate Nos. 171-W and
122-S in Nassau County by Florida Water Services Corporation

Dear Ms. Bayo:

Enclosed are an original and 12 copies of Amended Exhibits A, F, H, and L for the filing in the above-referenced docket. Also enclosed are an original and 12 copies of Late Filed Exhibits T-4 which contain the certified mail return receipt cards and Late Filed Exhibit V-4 which is the proof of publication.

In order to confirm filing of this application, please date-stamp the enclosed copy of this letter and return it to me in the stamped, self-addressed envelope which is provided for your convenience.

If you need any additional information or other assistance, please call me at (407) 598-4260. Thank you for your cooperation.

- AFA _____
- APP _____
- CAF _____
- CMU _____
- CTR _____
- EAG _____
- LEG _____
- MAS _____
- OPC _____
- PRR _____
- REG _____

Sincerely,

Matthew J. Feil
Staff Attorney

Enclosures

*Redeman
Copy Cover etc*

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DOCUMENT NUMBER-DATE

08241 JUL 12 99

Florida Water Services Corporation / P.O. Box 609520 / Orlando, Florida 32860-9520 / Phone 407/889-0850

Water For Florida's Future

FPSC-RECORDS/REPORTING

Amended Exhibit A

If the applicant is requesting an extension of territory, a statement regarding the need for service in the proposed territory, such as anticipated development in the proposed service area.

Florida Water Services has received an application for service extension for both water and wastewater service from the Crane Island Partnership in the proposed territory. The proposed development is composed of 260 single-family homes, a 30-40 room inn, a non-denominational church, a clubhouse and a restaurant. Proposed development is expected to start in the Spring of 2000.

Amended Exhibit F

A description of the types of customers anticipated to be served by the extension, i.e., single family homes, mobile homes, duplexes, golf course, clubhouse, commercial, etc.

The community will consist of 260 single-family homes, a 30-40 room inn, a non-denominational church, a clubhouse, and a restaurant.

Amended Exhibit I

The numbers and dates of any construction or operating permits issued by the Department of Environmental Protection for the system proposed to be expanded.

The Amelia Island wastewater plant currently has one operating permit issued:

1. Operating Permit #FLA011688

Currently, five construction permits have been issued for the plant as well. They are as follows:

1. Osprey Village Ltd. Partnership Permit #DS45-299641.
2. Amelia Island Company Permit #3198-005-DWC.
3. Park Place Company Permit #0003198-002-DWC.
4. Trevett Construction Group, Inc. Permit #0003198-008-DWC.
5. Ocean Reach Joint Venture Permit #0003198-007-DWC.

Copies of these permits are attached as Appendix I-1.

Amended Appendix I-1

Operating Permit



Jeb Bush
Governor

Department of Environmental Protection

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

David B. Struhs
Secretary

STATE OF FLORIDA DOMESTIC WASTEWATER FACILITY PERMIT

PERMITTEE:
Florida Water Services Corporation
Post Office Box 609520
Orlando, FL 32860-9520

PERMIT NUMBER: FLA011688
ISSUANCE DATE: February 19, 1999
EXPIRATION DATE: February 18, 2004
FACILITY ID NO.: 3145P04522

RESPONSIBLE AUTHORITY:
Mr. Jerry Wright, Area Supervisor
(904) 261-9452

FACILITY:

Amelia Island WWTF
5390 First Coast Highway
Amelia City, Florida 32035
Nassau County
Latitude: 30° 34' 38" N Longitude: 81° 27' 15" W

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

TREATMENT FACILITIES:

To operate an existing 0.950 MGD permitted capacity advanced secondary activated sludge wastewater treatment facility consisting of influent screening, two flow equalization basins (170,000 gallons total), two 210,000 gallon aeration basins, two 186,500 gallon anoxic basins, two 182,000 gallon secondary clarifiers, two 198 SF high rate filters, two chlorine contact chambers (30,000 gallons total), one 150,800 gallon digester, one 1.0 MG reject storage pond (lined) and one 2.9 MG unlined effluent storage pond. This facility is required to meet high level disinfection requirements. Wastewater residuals are treated to Class B stabilization requirements and land applied. If Class B stabilization requirements are not met, wastewater residuals are transported to a FDEP permitted regional residuals treatment facility, treated and land applied.

Proposed improvements include repair and replacement of corroded structures and influent piping at the facility headworks, digester improvements, repair/replacement of chlorine scales and adequate public notification regarding the use of reclaimed water in public access areas.

REUSE:

Land Application: An existing 1.585 mgd AADF permitted capacity slow-rate public access system (R001) consisting of three golf courses at the following locations:

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

Printed on recycled paper.



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User Name	User Type	Capacity (MGD)
Amelia Links	Golf Course	0.500
Long Pointe	Golf Course	0.405
Amelia Island (Summer Beach)	Golf Course	0.680

IN ACCORDANCE WITH: The limitations, monitoring requirements and other conditions set forth in Pages 1 through 23 of this permit. The application was signed and sealed by Catherine A. Walker, P.E. on January 1, 1998.

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I. RECLAIMED WATER AND EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

A. Reuse and Land Application Systems

1. During the period beginning on the issuance date and lasting through the expiration date of this permit, the permittee is authorized to direct reclaimed water to Reuse System R001. Such reclaimed water shall be limited and monitored by the permittee as specified below:

Parameter	Units	Max/Min	Reclaimed Water Limitations				Monitoring Requirements			
			Annual Average	Monthly Average	Weekly Average	Single Sample	Monitoring Frequency	Sample Type	Monitoring Location Site Number	Notes
Flow, in conduit or thru treatment plant	MGD	Maximum	0.95	-	-	-	Continuous	Recording flow meters and totalizers	INF-01	See Cond.I.A.3
BOD, Carbonaceous 5 day, 20C	mg/L	Maximum	20.0	30.0	45.0	60.0	Weekly	16-hour flow proportioned composite	EFA-01	
Solids, Total Suspended	mg/L	Maximum	-	-	-	5.0	Daily	Grab	EFA-01	
pH	s.u.	Range	-	-	-	6.0 to 8.5	Daily	Grab	EFA-01	
Coliform, Fecal	See Permit Condition I.A.4.						Daily	Grab	EFA-01	
Total Residual Chlorine (For Disinfection)	mg/L	Minimum	-	-	-	1.0	Continuous	Grab	EFA-01	See Cond.I.A.5
Turbidity	NTUs	Maximum	See Permit Condition I.A.6.				Continuous	Grab	EFA-01	

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

Monitoring Location Site Number	Description of Monitoring Location
EFA-01	Chlorine contact chamber discharge.
INF-01	Influent headworks.

3. Recording flow meters and totalizers shall be utilized to measure flow and calibrated at least annually. *[62-601.200(17) and .500(6), 12-24-96]*
4. Over a 30 day period, 75 percent of the fecal coliform values (the 75th percentile value) shall be below the detection limits. Any one sample shall not exceed 25 fecal coliform values per 100 mL of sample. Any one sample shall not exceed 5.0 milligrams per liter of total suspended solids (TSS) at a point before application of the disinfectant. Note: To report the 75th percentile value, list the fecal coliform values obtained during that month in ascending order. Report the value of the sample that corresponds to the 75th percentile (multiply the number of samples by 0.75). For example, for 30 samples, report the corresponding fecal coliform value for the 23rd value of ascending order. *[62-600.440(5)(f), 12-24-96]*
5. The minimum total chlorine residual shall be limited as described in the approved operating protocol, such that the permit limitation for fecal coliform bacteria will be achieved. In no case shall the total chlorine residual be less than 1.0 mg/L. *[62-600.440(5)(b), 12-24-96; 62-610.460(2), 1-9-96; and 62-610.463(2), 1-9-96]*
6. The maximum turbidity shall be limited as described in the approved operating protocol, such that the permit limitations for total suspended solids and fecal coliforms will be achieved. *[62-610.463(2), 1-9-96]*

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B. Other Limitations and Monitoring and Reporting Requirements

1. During the period beginning on the issuance date and lasting through the expiration date of this permit, the treatment facility shall be limited and monitored by the permittee as specified below:

Parameter	Units	Max/Min	Limitations				Monitoring Requirements				Notes
			Annual Average	Monthly Average	Weekly Average	Single Sample	Monitoring Frequency	Sample Type	Monitoring Location Site Number		
BOD, Carbonaceous 5 day, 20C	mg/L	Report	-	-	-	-	Weekly	8-hour flow proportioned composite	INF-01	See Cond.I.B.3	
Solids, Total Suspended	mg/L	Report	-	-	-	-	Weekly	8-hour flow proportioned composite	INF-01	See Cond.I.B.3	

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

Monitoring Location Site Number	Description of Monitoring Location
INF-01	Influent headworks.

3. Influent samples shall be collected so that they do not contain digester supernatant or return activated sludge, or any other plant process recycled waters. *[62-601.500(4), 12-24-96]*
4. Parameters which must be monitored as a result of a surface water discharge shall be analyzed using a sufficiently sensitive method in accordance with 40 CFR Part 136. Parameters which must be monitored as a result of a ground water discharge (i.e., underground injection or land application system) shall be analyzed in accordance with Chapter 62-601, F.A.C. *[62-620.610(18), 12-24-96]*
5. The permittee shall provide safe access points for obtaining representative influent, reclaimed water, and effluent samples which are required by this permit. *[62-601.500(5), 12-24-96]*
6. During the period of operation authorized by this permit, the permittee shall complete and submit to the Department on a monthly basis Discharge Monitoring Report(s) (DMR), Form 62-620.910(10), as attached to this permit. The permittee shall make copies of the attached DMR form(s) and shall submit the completed DMR form(s) to the Department's Northeast District Office at the address specified in Permit Condition I.B.9. by the twenty-eighth (28th) of the month following the month of operation.

[62-620.610(18), 12-24-96][62-601.300(1), (2), and (3), 12-24-96]
7. During the period of operation authorized by this permit, reclaimed water or effluent shall be monitored annually for the primary and secondary drinking water standards contained in Chapter 62-550, F.A.C., (except for turbidity, total coliforms, color, and corrosivity). Twenty-four hour composite samples shall be used to analyze reclaimed water or effluent for the primary and secondary drinking water standards. These monitoring results shall be reported to the Department annually on the Reclaimed Water or Effluent Analysis Report, Form 62-620.910(15), or in another format if requested by the permittee and if approved by the Department as being compatible with data entry into the Department's computer system. During years when a permit is not renewed, a certification stating that no new non-domestic wastewater dischargers have been added to the collection system since the last reclaimed water or effluent analysis was conducted may be submitted in lieu of the report. The annual reclaimed water or effluent analysis report or the certification shall be completed and submitted in a timely manner so as to be received by the Department's Northeast District Office by July 1 of each year. *[62-601.300(4), 12-24-96][62-601.500(3), 12-24-96]*
8. The permittee shall submit an annual report of reclaimed water utilization using Form 62-610.300(4)(a)2. by January 1 of each year. *[62-610.870(3), 1-9-96]*
9. Unless specified otherwise in this permit, all reports and notifications required by this permit, including 24-hour notifications, shall be submitted to or reported to, as appropriate, the Department's Northeast District Office at the address specified below:

Florida Department of Environmental Protection
 Northeast District Office
 7825 Baymeadows Way Suite B200

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Orlando, FL 32860-9520

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Jacksonville, Florida 32256-7590

Phone Number - (904) 448-4330

FAX Number - (904) 448-4366

All FAX copies shall be followed by original copies.

II. RESIDUALS MANAGEMENT REQUIREMENTS

Basic Management Requirements

1. The method of residuals use or disposal by this facility is transport to Circle C RRTF treatment facility and/or land application.
2. The permittee shall be responsible for proper treatment, management, use, and land application or disposal of its residuals. [62-640.300(5), 3-30-98]
3. The permittee will not be held responsible for violations resulting from land application of residuals if the permittee can demonstrate that it has delivered residuals that meet the parameter concentrations and appropriate treatment requirements of this rule and the applier (e.g. hauler, contractor, site manager, or site owner) has legally agreed in writing to accept responsibility for proper land application of the residuals. Such an agreement shall state that the applier agrees, upon delivery of residuals that have been treated as required by Chapter 62-640, F.A.C., that he will accept responsibility for proper land application of the residuals as required by Chapter 62-640, F.A.C., and that the applier agrees that he is aware of and will comply with requirements for proper land application as described in the facility's permit. [62-640.300(5), 3-30-98]
4. The permittee shall not be held responsible for treatment, management, use, or land application violations that occur after its residuals have been accepted by a permitted residuals management facility with which the source facility has an agreement in accordance with Rule 62-640.880(1)(c), F.A.C., for further treatment, management, use or land application. [62-640.300(5), 3-30-98]
5. Disposal of residuals, septage, and other solids in a solid waste landfill, or disposal by placement on land for purposes other than soil conditioning or fertilization, such as at a monofill, surface impoundment, waste pile, or dedicated site, shall be in accordance with Chapter 62-701, F.A.C. [62-640.100(6)(k)3&4, 3-30-98]
6. Land application of residuals shall be in accordance with the conditions of this permit, the approved Agricultural Use Plan(s), and the requirements of Chapter 62-640, F.A.C. [62-640, 3-30-98]
7. The domestic wastewater residuals for this facility are classified as Class B.
8. The permittee shall achieve Class B pathogen reduction by meeting the pathogen reduction requirements in section 503.32(b)(2) of Title 40 CFR Part 503, revised as of October 25, 1995. [62-640.600(1)(b), 3-30-98]
9. The permittee shall achieve vector attraction reduction by meeting the vector attraction reduction requirements in section 503.33(b)(4) of Title 40 CFR Part 503, revised as of October 25, 1995. [62-640.600(2), 3-30-98]
10. Treatment of liquid residuals or septage for the purpose of meeting the pathogen reduction or vector attraction reduction requirements set forth in Rule 62-640.600, F.A.C., shall not be conducted in the

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tank of a hauling vehicle. Treatment of residuals or septage for the purpose of meeting pathogen reduction or vector attraction reduction requirements shall take place at the permitted facility. [62-640.400(8), 3-30-98]

11. The permittee shall sample and analyze the Class A or Class B residuals to monitor for pathogen and vector attraction reduction requirements of Rule 62-640.600, F.A.C., and the parameters listed in the table below at least once every 12 months. The following parameters shall be sampled and analyzed:

Parameter	Ceiling Concentrations (Single Sample)	Cumulative Application Limits
Total Nitrogen	(Report only) % dry weight	Not applicable
Total Phosphorus	(Report only) % dry weight	Not applicable
Total Potassium	(Report only) % dry weight	Not applicable
Arsenic	75 mg/kg dry weight	36.6 pounds/acre
Cadmium	85 mg/kg dry weight	34.8 pounds /acre
Copper	4300 mg/kg dry weight	1340 pounds/acre
Lead	840 mg/kg dry weight	268 pounds/acre
Mercury	57 mg/kg dry weight	15.2 pounds/acre
Molybdenum	75 mg/kg dry weight	Not applicable
Nickel	420 mg/kg dry weight	375 pounds/acre
Selenium	100 mg/kg dry weight	89.3 pounds/acre
Zinc	7500 mg/kg dry weight	2500 pounds/acre
pH	(Report only) standard units	Not applicable
Total Solids	(Report only) %	Not applicable

(62-640.650(1), 62-640.700(1), 62-640.700(3)(b), and 62-640.850(3), 3-30-98)

12. Sampling and analysis shall be conducted in accordance with Title 40 CFR Part 503, section 503.8 and the U.S. Environmental Protection Agency publication - POTW Sludge Sampling and Analysis Guidance Document, 1989. In cases where disagreements exist between Title 40 CFR Part 503, section 503.8 and the POTW Sludge Sampling and Analysis Guidance Document, the requirements in Title 40 CFR Part 503, section 503.8 will apply. (62-640.650(1), 62-640.700(1), 62-640.700(3)(b), and 62-640.850(3), 3-30-98)

13. Grab samples shall be used for pathogens and determinations of percent volatile solids. Composite samples shall be used for metals. [62-640.650(1)(e), 3-30-98]

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14. Residuals shall not be land applied if a single sample result for any parameter exceeds the ceiling concentrations given in this permit. Residuals shall not be distributed and marketed if the monthly average of sample results for any parameter exceeds the Class AA parameter concentrations given in this permit. Monthly averages of parameter concentrations shall be determined by taking the arithmetic mean of all sample results for the month. *[62-640.650(1)(f), 3-30-98]*
15. The permittee shall submit the results of all residuals monitoring with the permittee's Discharge Monitoring Report under Chapter 62-601, F.A.C. The analytical results from each sampling event shall be submitted with the report for the month in which the sampling event occurs. Copies of all applicable analytical reports shall be submitted with the monitoring results. *[62-640.650(3)(a)&(e), 3-30-98]*
16. Class B residuals shall not be used on unrestricted public access areas. Use of Class B residuals is limited to restricted public access areas such as agricultural sites, forests, and roadway shoulders and medians *[62-640.600(3)(b), 3-30-98]*
17. Plant nursery use of Class B residuals is limited to plants which will not be sold to the public for 12 months after the last application of residuals. *[62-640.600(3)(b)1., 3-30-98]*
18. Use of Class B residuals on roadway shoulders and medians is limited to restricted public access roads. *[62-640.600(3)(b)2., 3-30-98]*
19. Food crops with harvested parts that touch the residuals/soil mixture and are totally above the land surface shall not be harvested for 14 months after the last application of Class B residuals. *[62-640.600(3)(b)3., 3-30-98]*
20. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after application of Class B residuals when the residuals remain on the land surface for four months or longer before incorporation into the soil. *[62-640.600(3)(b)4., 3-30-98]*
21. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months after application of Class B residuals when the residuals remain on the land surface for less than four months before incorporation into the soil. *[62-640.600(3)(b)5., 3-30-98]*
22. Food crops, feed crops, and fiber crops shall not be harvested for 30 days following the last application of Class B residuals. *[62-640.600(3)(b)6., 3-30-98]*
23. Animals shall not be grazed on the land for 30 days after the last application of Class B residuals. *[62-640.600(3)(b)7., 3-30-98]*
24. Sod which will be distributed or sold to the public or used on unrestricted public access areas shall not be harvested for 12 months after the last application of Class B residuals. *[62-640.600(3)(b)8., 3-30-98]*
25. The public shall be restricted from application zones for 12 months after the last application of Class B residuals. *[62-640.600(3)(b), 3-30-98]*
26. Residuals that do not meet the requirements of Chapter 62-640, F.A.C., for Class AA designation shall not be used for the cultivation of tobacco or leafy vegetables.

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[62-640.400(7), 3-30-98]

27. Current Agricultural Use Plan(s) identify residuals landspreading on the following sites:

Site Name	Site Type (AG or LR)	Application Area (acres)	Site Location						
			County	Latitude			Longitude		
				DD	MM	SS	DD	MM	SS
Shady Grove Farm	AG	107	Nassau	30	34	09	81	48	13

The wastewater treatment facility permittee shall apply for a minor permit revision on DEP Form 62-620.910(9) for new, modified, or expanded residuals land application sites. The facility's permit shall be revised to include the new or revised Agricultural Use Plan(s) prior to application of residuals to the new, modified, or expanded sites, unless all of the following conditions are met:

- a) The permittee notifies the Department within 24 hours that the site is being used;
- b) The site meets the site use restrictions of Rule 62-640.600(3), F.A.C., and the criteria for land application of residuals in Rule 62-640.700, F.A.C.;
- c) The permittee submits a new or revised Agricultural Use Plan for the site with a permit application in accordance with Rule 62-640.300(2), F.A.C., within 30 days of beginning use of the site;
- d) The permittee does not have another approved land application site, another approved disposal method (e.g. landfilling or incineration), or approved storage facilities available for use; and,
- e) The permittee demonstrates during permit application that application of additional residuals to an existing approved application site would have resulted in violation of Department rules, or was not possible due to circumstances beyond the permittee's control.

[62-640.300(2)&(3), 3-30-98]

- 28. Residuals application rates are limited to agronomic rates based on the site vegetation as identified in the Agricultural Use Plan. *[62-640.750(2), 3-30-98]*
- 29. Residuals shall be applied with appropriate techniques and equipment to assure uniform application over the application zone. *[62-640.700(2)(c), 3-30-98]*
- 30. The spraying of liquid domestic wastewater residuals shall be conducted so that the formation of aerosols is minimized. *[62-640.700(2)(d), 3-30-98]*
- 31. Residuals storage facilities at land application sites shall be subject to applicable setback requirements for residuals application sites. Residuals stored at land application sites shall be stored in a manner that will not cause runoff or seepage from the residuals, objectionable odors, or vector attraction. Storage areas must be fenced or otherwise provided with appropriate features to discourage the entry of animals and unauthorized persons. At the time of application, the stored residuals must meet the parameter concentrations, pathogen and vector attraction reduction requirements, and cumulative application limits of this permit. Residuals storage facilities at land application sites may be used only for temporary storage of stabilized residuals for no more than 30 days during periods of inclement weather or to accommodate agricultural operations, or up to the period (not to exceed two years) specified in the Agricultural Use Plan. *[62-640.700(2)(e), 3-30-98]*

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32. Residuals application sites shall be posted with appropriate advisory signs identifying the nature of the project area. *[62-640.700(2)(f), 3-30-98]*
33. The pH of the residuals soil mixture shall be 5.0 or greater at the time residuals are applied. At a minimum, soil pH testing shall be done annually. *[62-640.700(5)(d), 3-30-98]*
34. The permittee shall maintain records of application zones and application rates and shall make these records available for inspection within seven days of request by the Department, or delegated Local Program. The permittee shall maintain record items a. through e. below in perpetuity, and maintain record items f. through k. for five years::
- a. Date of application of the residuals;
 - b. Location of the residuals application site as specified in the Agricultural Use Plan;
 - c. Identification of each application zone used by the permittee at the application site and the acreage of each zone;
 - d. Amount of residuals applied or delivered to each application zone;
 - e. Cumulative loading of each application zone;
 - f. The names of all other wastewater facilities using each of the application zones identified in item c.;
 - g. Method of incorporation (if any);;
 - h. Measured pH of the residuals soil mixture at the time the residuals are applied (tested at least annually);
 - i. Unsaturated depth of soil above the water table level at the time of application;
 - j. Concentration of parameters in the residuals as required by this permit, and the date of last analysis; and
 - k. The results of any soil testing that is done under Rule 62-640.500(4)(a), F.A.C.
- [62-640.650(2)3-30-98]*
35. The permittee shall submit an annual summary of residuals application activity to the District Office on Department Form 62-640.210(2)(b) for all residuals applied during the period of January 1 through December 31. The summary for each year shall be submitted by March 1 of the following year. If more than one facility applies residuals to the same application zones, the summary must include a subtotal of each facility's contribution of residuals to the application zones.
[62-640.650(3)(b), 3-30-98]
36. If residuals that are subject to the cumulative loading limitations of Rule 62-640.700(3), F.A.C., have been applied to an application zone, and the cumulative loading amount of one or more of the pollutants is not known, no further applications of residuals may be made to that application zone.
[62-640.700(3)(f), 3-30-98]
37. A minimum unsaturated soil depth of two feet above the water table level is required at the time the residuals are applied to the soil. *[62-640.700(6)(a), 3-30-98]*
38. Residuals shall not be applied during rains that cause runoff from the site or when surface soils are saturated. *[62-640.700(7)(a), 3-30-98]*
39. If the permittee intends to accept residuals from other facilities, a permit revision is required pursuant to Rule 62-640.880(2)(d), F.A.C. *[62-640.880(2)(d), 3-30-98]*
40. The permittee shall keep hauling records to track the transport of residuals between facilities. The hauling records shall contain the following information:

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Amelia Island WWTF

1. Date and Time Shipped
2. Amount of Residuals Shipped
3. Degree of Treatment (if applicable)
4. Name and ID Number of Circle C RRTF

Circle C RRTF

1. Date and Time Received
2. Amount of Residuals Received
3. Name and ID Number of Source Facility
4. Signature of Hauler
5. Signature of Responsible Party at Circle C RRTF

These records shall be kept for five years and shall be made available for inspection upon request by the Department. A copy of the hauling records information maintained by the source facility shall be provided upon delivery of the residuals to the **Circle C Regional Residuals Treatment Facility**. The permittee shall report to the Department within 24 hours of discovery any discrepancy in the quantity of residuals leaving the source facility and arriving at the **Circle C Regional Residuals Treatment Facility**. [62-640.880(4), 3-30-98]

41. Storage of residuals or other solids at the permitted facility shall require prior written notification to the Department if the storage lasts longer than 30 days. [62-640.300(4), 3-30-98]

III. GROUND WATER MONITORING REQUIREMENTS

1. During the period of operation authorized by this permit, the permittee shall conduct ground water monitoring in accordance with this permit and the approved ground water monitoring plan. [62-522.600, 4/14/94] [62-610.424, 62-610.474, 62-610.524, 62-610.574, 62-610.624, 62-610.660, and 62-610.830(1)(d), 4/2/90]
2. The following monitoring wells are established for ground water monitoring. [62-522.600, 4/14/94] [62-610.424, 62-610.474, 62-610.524, 62-610.574, 62-610.624, 62-610.660, and 62-610.830(1)(d), 4/2/90]

<i>Well Name</i>	<i>Monitoring Location Site Number</i>	<i>Depth (Feet)</i>	<i>Approximate Well Location</i>	<i>Well Type</i>	<i>New or Existing</i>
MW-2	3145A12862	14	100' south of effluent pond at WWTP.	Compliance	Existing
MW-3	3145A12863	13	100' from southeast corner of effluent pond at WWTP.	Compliance	Existing
MW-4	3145A12864	18	100' from northwest corner of effluent pond at WWTP.	Compliance	Existing
MW-5	3145A12865	15	Off Beach Wood Road northeast of 8th green at Plantation.	Compliance	Existing
MW-6R	3145A14242	20	On northeast corner of entrance road to Piper Dunes Condos and Beachwalker Road at Plantation.	Background	Existing
MW-7	3145A12866	13	Near northwest corner of St. Rd. A-1-A and Long Point Drive and 100' northeast of 9th green at Long Point.	Compliance	Existing

3. Any ground water monitoring wells identified above as "new" shall be installed within 90 days of issuance of this permit. Within 30 days following the installation of any monitoring well, the permittee

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shall detail the well construction, surveyed location and top of inner well casing elevation on DEP Form 62-522.900(3). [62-522.600, 4/14/94]

4. All ground water monitoring wells shall have a nominal inside casing diameter of at least 2-inches, and shall conform to the construction and development specifications set forth in ASTM Standard D-5092 and the approved ground water monitoring plan. The permittee shall give at least 72-hours notice to the Ground Water Section of the DEP's Northeast District, prior to the installation of any monitor wells detailed in this permit.
5. The following parameters shall be analyzed at the specified frequency for each of the monitoring well(s) identified above. Additional monitoring wells, sample events, and parameters may be specified if warranted by subsequent monitoring data. [62-522.600(11)(b), 4/1/94] [62-601.300(3), 62.601.700, and Figure 3 of 62-601]

<i>PARAMETER</i>	<i>STORET</i>	<i>SAMPLE TYPE</i>	<i>FREQUENCY</i>
Water level (feet)	82545	in-situ	Quarterly
Nitrite+Nitrate (mg/l as N)	00630	grab	Quarterly
Total Dissolved Solids (mg/l)	70304	grab	Quarterly
Arsenic (ug/l)	01002	grab	Quarterly
Cadmium (ug/l)	01027	grab	Quarterly
Chromium (ug/l)	01034	grab	Quarterly
Lead (ug/l)	01051	grab	Quarterly
Turbidity (NTU)	82079	grab	Quarterly
Chloride (mg/l)	00940	grab	Quarterly
Fecal Coliform (colonies/100 ml)	31616	grab	Quarterly
pH (standard units)	00406	in-situ	Quarterly
Sulfate (mg/l)	00945	grab	Quarterly
Sodium (mg/l)	00929	grab	Quarterly

6. Ground water sampling and reporting shall conform to the schedule set forth below with the monitoring results to be submitted on DEP Form 62-620.910(10), or such other format as approved by the Department. [62-522.600(10) and (11)(b), 4/14/94] [62-601.300(3), 62.601.700, and Figure 3 of 62-601] [62-620.610(18), 11-29-94]

<i>SAMPLE PERIOD</i>	<i>Quarterly</i>	<i>REPORT DEADLINE</i>
(January-March)	X	April 28 th
(April-June)	X	July 28 th
(July-September)	X	October 28 th
(October-December)	X	January 28 th

7. Water levels shall be recorded, prior to purging the well for sample collection. Measurements, referenced to mean sea level, shall include the top of the well casing, depth to ground water, and the calculated ground water elevation at a precision of ±0.01 feet. [62-610.424(3), 4-2-94]
8. Ground water monitoring wells shall be purged prior to sampling, in order to obtain a representative sample. All sample collection and analytical procedures shall conform to the applicable Quality Assurance/Quality Control requirements of Chapter 62-160, F.A.C.
9. The Permittee shall provide written notice to the Department within 7 days of discovery that a monitor well has been vandalized, or otherwise damaged. The notice shall detail the nature and scope of

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damage as well as any remedial measures taken to prevent a recurrence. Repair or replacement of monitor wells shall be approved in advance by the Department.

10. All correspondence, reports, plans and summaries pertaining to ground water monitoring shall be sent to the attention of the Ground Water Section at the DEP Northeast District Office.

IV. ADDITIONAL REUSE AND LAND APPLICATION REQUIREMENTS

Part III Public Access System(s)

1. All ground water quality criteria specified in Chapter 62-520, F.A.C., shall be met at the edge of the zone of discharge. The zone of discharge for this project shall extend horizontally 100 feet beyond the margin of application, or to the property line where less, and vertically to the base of the surficial aquifer. [62-520.200(23), 4/14/94] [62-522.400 and 62-522.410, 4/14/94]
2. This reuse system includes the following major users (i.e., using 0.1 mgd or more of reclaimed water):

User Name	User Type	Capacity (MGD)	Acreage
Amelia Links	Golf Courses	0.5	200
Long Pointe	Golf Courses	0.41	70
Amelia Island (Summer Beach)	Golf Courses	0.68	90
Total		1.59	360

[62-610.800(5), 1-9-96][62-620.630(10)(b), 12-24-96]

3. All ground water quality criteria specified in Chapter 62-520, F.A.C., shall be met at the edge of the zone of discharge. For major users of reclaimed water (i.e., using 0.1 mgd or more), the zone of discharge shall extend horizontally 100 feet from the application site or to the user's property line, whichever is less, and vertically to the base of the surficial aquifer. For other users, the zone of discharge shall extend horizontally to the boundary of the general service area identified in the attached map and vertically to the base of the surficial aquifer. [62-520.200(23), 12-9-96] [62-522.400 and 62-522.410, 12-9-96]
4. The treatment facilities shall be operated in accordance with the approved operating protocol. Only reclaimed water that meets the criteria established in the approved operating protocol may be released to system storage or to the reuse system. Reclaimed water that fails to meet the criteria in the approved operating protocol shall be directed to the substandard pond and returned to the head of the facility for treatment. The operating protocol shall be reviewed and updated periodically to ensure continuous compliance with the minimum treatment and disinfection requirements. Updated operating protocols shall be submitted to the Department's Northeast District Office for review and approval upon revision of the operating protocol and with each permit application. [62-610.320(6) and 62-610.463(2), 1-9-96]
5. Cross-connections to the potable water system are prohibited. [62-610.469(7), 1-9-96]
6. A cross-connection control program shall be implemented and/or remain in effect within the areas where reclaimed water will be provided for use. [62-610.469(7), 1-9-96]

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7. Maximum obtainable separation of reclaimed water lines and potable water lines shall be provided and the minimum separation distances specified in Rule 62-610.469(7), F.A.C., shall be provided. Reuse facilities shall be color coded or marked. Underground piping which is not manufactured of metal or concrete shall be color coded using Pantone Purple 522C using light stable colorants. Underground metal and concrete pipe shall be color coded or marked using purple as the predominant color. *[62-610.469(7), 1-9-96]*
8. In constructing reclaimed water distribution piping, the permittee shall maintain a 75-foot setback distance from a reclaimed water transmission facility to public water supply wells. No setback distances are required to other potable water supply wells or to any nonpotable water supply wells. *[62-610.471(3), 1-9-96]*
9. A setback distance of 75 feet shall be maintained between the edge of the wetted area and potable water supply wells, unless the utility adopts and enforces an ordinance prohibiting potable water supply wells within the reuse service area. No setback distances are required to any nonpotable water supply well, to any surface water, to any developed areas, or to any private swimming pools, hot tubs, spas, saunas, picnic tables, barbecue pits, or barbecue grills. *[62-610.471(1), (2), (5), and (7), 1-9-96]*
10. Reclaimed water shall not be used to fill swimming pools, hot tubs, or wading pools. *[62-610.469(4), 1-9-96]*
11. Low trajectory nozzles, or other means to minimize aerosol formation shall be used within 100 feet from outdoor public eating, drinking, or bathing facilities. *[62-610.471(6), 1-9-96]*
12. A setback distance of 100 feet shall be maintained from indoor aesthetic features using reclaimed water to adjacent indoor public eating and drinking facilities. *[62-610.471(8), 1-9-96]*
13. The public shall be notified of the use of reclaimed water. This shall be accomplished by posting of advisory signs in areas where reuse is practiced, notes on scorecards, or other methods. *[62-610.468(2), 1-9-96]*
14. Routine aquatic weed control and regular maintenance of storage pond embankments and access areas are required. *[62-610.414 and 62-610.464, 1-9-96]*
15. Overflows from emergency discharge facilities on storage ponds shall be reported as an abnormal event to the Department's Northeast District Office within 24 hours of an occurrence as an abnormal event. The provisions of Rule 62-610.800(9), F.A.C., shall be met. *[62-610.800(9), 1-9-96]*

V. OPERATION AND MAINTENANCE REQUIREMENTS

1. During the period of operation authorized by this permit, the wastewater facilities shall be operated under the supervision of a(n) operator(s) certified in accordance with Chapter 61E12-41, F.A.C. In accordance with Chapter 62-699, F.A.C., this facility is a Category I, Class B facility and, at a minimum, operators with appropriate certification must be on the site as follows:

A Class C or higher operator 24 hours/day for 7 days/week. The lead operator must be a Class B.

[62-620.630(3), 12-24-96] [62-699.310, 5-20-92] [62-610.462, 1-9-96]
2. The lead operator shall be on duty for one full shift each duty day. A certified operator shall be on-site and in charge of each required shift and for periods of required staffing time when the lead operator is not on-site. *[62-699.311(10) and (5), 5-20-92]*

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3. An updated capacity analysis report shall be submitted to the Department annually by March 31 of each year. The updated capacity analysis report shall be prepared in accordance with Rule 62-600.405, F.A.C. *[62-600.405(5), 12-24-96]*
4. The application to renew this permit shall include a detailed operation and maintenance performance report prepared in accordance with Rule 62-600.735, F.A.C. *[62-600.735(1), 12-24-96]*
5. The permittee shall maintain the following records and make them available for inspection on the site of the permitted facility:
 - a. Records of all compliance monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation and a copy of the laboratory certification showing the certification number of the laboratory, for at least three years from the date the sample or measurement was taken;
 - b. Copies of all reports required by the permit for at least three years from the date the report was prepared;
 - c. Records of all data, including reports and documents, used to complete the application for the permit for at least three years from the date the application was filed;
 - d. Monitoring information, including a copy of the laboratory certification showing the laboratory certification number, related to the residuals use and disposal activities for the time period set forth in Chapter 62-640, F.A.C., for at least three years from the date of sampling or measurement;
 - e. A copy of the current permit;
 - f. A copy of the current operation and maintenance manual as required by Chapter 62-600, F.A.C.;
 - g. A copy of the facility record drawings;
 - h. Copies of the licenses of the current certified operators; and
 - i. Copies of the logs and schedules showing plant operations and equipment maintenance for three years from the date of the logs or schedules. The logs shall, at a minimum, include identification of the plant; the signature and certification number of the operator(s) and the signature of the person(s) making any entries; date and time in and out; specific operation and maintenance activities; tests performed and samples taken; and major repairs made. The logs shall be maintained on-site in a location accessible to 24-hour inspection, protected from weather damage, and current to the last operation and maintenance performed.

[62-620.350, 12-24-96][61E12-41.010(1)(e), 11-02-93]

VI. SCHEDULES

1. The following corrective actions shall be completed according to the following schedule:

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Corrective Action		Completion Date
1	Repair and replace corroded structures and influent piping at the facility headworks	February 24, 2000
2	Submittal of a capacity analysis report (CAR) in accordance with 62-600.405(6), within 30 days of permit receipt. Address attention to Kristen Smeltzer, P.E.	March, 29 1999
3	Adequate public notification (posting of signs, etc.) regarding use of reclaimed water in public access areas.	May 10, 1999
4	Complete improvements to digester.	August 30, 1999
5	Repair or replacement of chlorine scales and report on consideration of alternative forms of disinfection.	August 30, 1999

[62-600.735(1), 12-24-96]

VII. INDUSTRIAL PRETREATMENT PROGRAM REQUIREMENTS

This facility is not required to have a pretreatment program at this time. *[62-625.500, 1-8-97]*

VIII. OTHER SPECIFIC CONDITIONS

1. If the permittee wishes to continue operation of this wastewater facility after the expiration date of this permit, the permittee shall submit an application for renewal, using Department Forms 62-620.910(1) and (2), no later than one-hundred and eighty days (180) prior to the expiration date of this permit. *[62-620.410(5), 12-24-96]*
2. Florida water quality criteria and standards shall not be violated as a result of any discharge or land application of reclaimed water or residuals from this facility. *[62-610.850(1)(a) and (2)(a), 1-9-96][62-640.700(3)(c), 3-1-91]*
3. In the event that the treatment facilities or equipment no longer function as intended, are no longer safe in terms of public health and safety, or odor, noise, aerosol drift, or lighting adversely affects neighboring developed areas at the levels prohibited by Rule 62-600.400(2)(a), F.A.C., corrective action (which may include additional maintenance or modifications of the permitted facilities) shall be taken by the permittee. Other corrective action may be required to ensure compliance with rules of the Department. Additionally, the treatment, management, use or land application of residuals shall not cause a violation of the odor prohibition in Rule 62-296.320(2), F.A.C. *[62-600.410(8), 12-24-96 and 62-640.400(6), 3-30-98]*
4. The deliberate introduction of stormwater in any amount into collection/transmission systems designed solely for the introduction (and conveyance) of domestic/industrial wastewater; or the deliberate introduction of stormwater into collection/transmission systems designed for the introduction or conveyance of combinations of storm and domestic/industrial wastewater in amounts which may reduce the efficiency of pollutant removal by the treatment plant is prohibited. *[62-604.130(3), 12-26-96]*
5. Collection/transmission system overflows shall be reported to the Department in accordance with Permit Condition IX. 20. *[62-604.550, 12-26-96] [62-620.610(20), 12-24-96]*
6. The operating authority of a collection/transmission system and the permittee of a treatment plant are prohibited from accepting connections of wastewater discharges which have not received necessary

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- a. Which may cause fire or explosion hazards; or
- b. Which may cause excessive corrosion or other deterioration of wastewater facilities due to chemical action or pH levels; or
- c. Which are solid or viscous and obstruct flow or otherwise interfere with wastewater facility operations or treatment; or
- d. Which result in treatment plant discharges having temperatures above 40°C.

[62-604.130(4), 12-26-96]

7. The treatment facility, storage ponds, rapid infiltration basins, and/or infiltration trenches shall be enclosed with a fence or otherwise provided with features to discourage the entry of animals and unauthorized persons. *[62-600.400(2)(b), 12-24-96]*
8. Disposal of screenings and grit from preliminary treatment components of wastewater treatment facilities, solids from sewer line cleaning operations, and solids from lift stations and pump stations shall be in accordance with Chapter 62-701, F.A.C. *[62-640.100(6)(k)8., 3-30-98 and 62-701.300(1)(a), 4-23-97]*
9. The permittee shall provide adequate notice to the Department of the following:
 - a. Any new introduction of pollutants into the facility from an industrial discharger which would be subject to Chapter 403, F.S., and the requirements of Chapter 62-620, F.A.C. if it were directly discharging those pollutants; and
 - b. Any substantial change in the volume or character of pollutants being introduced into that facility by a source which was identified in the permit application and known to be discharging at the time the permit was issued.

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

[62-620.625(2), 12-24-96]

IX. GENERAL CONDITIONS

1. The terms, conditions, requirements, limitations and restrictions set forth in this permit are binding and enforceable pursuant to Chapter 403, Florida Statutes. Any permit noncompliance constitutes a violation of Chapter 403, Florida Statutes, and is grounds for enforcement action, permit termination, permit revocation and reissuance, or permit revision. *[62-620.610(1), 12-24-96]*
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviations from the approved drawings, exhibits, specifications or conditions of this permit constitutes grounds for revocation and enforcement action by the Department. *[62-620.610(2), 12-24-96]*
3. As provided in Subsection 403.087(6), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor authorize any infringement of federal, state, or local laws or

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regulations. This permit is not a waiver of or approval of any other Department permit or authorization that may be required for other aspects of the total project which are not addressed in this permit. *[62-620.610(3), 12-24-96]*

4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title. *[62-620.610(4), 12-24-96]*
5. This permit does not relieve the permittee from liability and penalties for harm or injury to human health or welfare, animal or plant life, or property caused by the construction or operation of this permitted source; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department. The permittee shall take all reasonable steps to minimize or prevent any discharge, reuse of reclaimed water, or residuals use or disposal in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. *[62-620.610(5), 12-24-96]*
6. If the permittee wishes to continue an activity regulated by this permit after its expiration date, the permittee shall apply for and obtain a new permit. *[62-620.610(6), 12-24-96]*
7. The permittee shall at all times properly operate and maintain the facility and systems of treatment and control, and related appurtenances, that are installed and used by the permittee to achieve compliance with the conditions of this permit. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to maintain or achieve compliance with the conditions of the permit. *[62-620.610(7), 12-24-96]*
8. This permit may be modified, revoked and reissued, or terminated for cause. The filing of a request by the permittee for a permit revision, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition. *[62-620.610(8), 12-24-96]*
9. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, including an authorized representative of the Department and authorized EPA personnel, when applicable, upon presentation of credentials or other documents as may be required by law, and at reasonable times, depending upon the nature of the concern being investigated, to:
 - a. Enter upon the permittee's premises where a regulated facility, system, or activity is located or conducted, or where records shall be kept under the conditions of this permit;
 - b. Have access to and copy any records that shall be kept under the conditions of this permit;
 - c. Inspect the facilities, equipment, practices, or operations regulated or required under this permit; and
 - d. Sample or monitor any substances or parameters at any location necessary to assure compliance with this permit or Department rules.

[62-620.610(9), 12-24-96]

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10. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data, and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except as such use is proscribed by Section 403.111, Florida Statutes, or Rule 62-620.302, Florida Administrative Code. Such evidence shall only be used to the extent that it is consistent with the Florida Rules of Civil Procedure and applicable evidentiary rules. *[62-620.610(10), 12-24-96]*
11. When requested by the Department, the permittee shall within a reasonable time provide any information required by law which is needed to determine whether there is cause for revising, revoking and reissuing, or terminating this permit, or to determine compliance with the permit. The permittee shall also provide to the Department upon request copies of records required by this permit to be kept. If the permittee becomes aware of relevant facts that were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be promptly submitted or corrections promptly reported to the Department. *[62-620.610(11), 12-24-96]*
12. Unless specifically stated otherwise in Department rules, the permittee, in accepting this permit, agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules. A reasonable time for compliance with a new or amended surface water quality standard, other than those standards addressed in Rule 62-302.500, F.A.C., shall include a reasonable time to obtain or be denied a mixing zone for the new or amended standard. *[62-620.610(12), 12-24-96]*
13. The permittee, in accepting this permit, agrees to pay the applicable regulatory program and surveillance fee in accordance with Rule 62-4.052, F.A.C. *[62-620.610(13), 12-24-96]*
14. This permit is transferable only upon Department approval in accordance with Rule 62-620.340, F.A.C. The permittee shall be liable for any noncompliance of the permitted activity until the transfer is approved by the Department. *[62-620.610(14), 12-24-96]*
15. The permittee shall give the Department written notice at least 60 days before inactivation or abandonment of a wastewater facility and shall specify what steps will be taken to safeguard public health and safety during and following inactivation or abandonment. *[62-620.610(15), 12-24-96]*
16. The permittee shall apply for a revision to the Department permit in accordance with Rules 62-620.300, 62-620.420 or 62-620.450, F.A.C., as applicable, at least 90 days before construction of any planned substantial modifications to the permitted facility is to commence or with Rule 62-620.300 for minor modifications to the permitted facility. A revised permit shall be obtained before construction begins except as provided in Rule 62-620.300, F.A.C. *[62-620.610(16), 12-24-96]*
17. The permittee shall give advance notice to the Department of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements. The permittee shall be responsible for any and all damages which may result from the changes and may be subject to enforcement action by the Department for penalties or revocation of this permit. The notice shall include the following information:
 - a. A description of the anticipated noncompliance;
 - b. The period of the anticipated noncompliance, including dates and times; and
 - c. Steps being taken to prevent future occurrence of the noncompliance.

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[62-620.610(17), 12-24-96]

18. Sampling and monitoring data shall be collected and analyzed in accordance with Rule 62-4.246, Chapters 62-160 and 62-601, F.A.C., and 40 CFR 136, as appropriate.
- a. Monitoring results shall be reported at the intervals specified elsewhere in this permit and shall be reported on a Discharge Monitoring Report (DMR), DEP Form 62-620.910(10).
 - b. If the permittee monitors any contaminant more frequently than required by the permit, using Department approved test procedures, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the DMR.
 - c. Calculations for all limitations which require averaging of measurements shall use an arithmetic mean unless otherwise specified in this permit.
 - d. Any laboratory test required by this permit for domestic wastewater facilities shall be performed by a laboratory that has been certified by the Department of Health (DOH) under Chapter 64E1, F.A.C., to perform the test. On-site tests for dissolved oxygen, pH, and total chlorine residual shall be performed by a laboratory certified to test for those parameters or under the direction of an operator certified under Chapter 61E12-41, F.A.C.
 - e. Under Chapter 62-160, F.A.C., sample collection shall be performed by following the protocols outlined in "DER Standard Operating Procedures for Laboratory Operations and Sample Collection Activities" (DER-QA-001/92). Alternatively, sample collection may be performed by an organization who has an approved Comprehensive Quality Assurance Plan (CompQAP) on file with the Department. The CompQAP shall be approved for collection of samples from the required matrices and for the required tests.

[62-620.610(18), 12-24-96]

19. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule detailed elsewhere in this permit shall be submitted no later than 14 days following each schedule date. *[62-620.610(19), 12-24-96]*
20. The permittee shall report to the Department any noncompliance which may endanger health or the environment. Any information shall be provided orally within 24 hours from the time the permittee becomes aware of the circumstances. A written submission shall also be provided within five days of the time the permittee becomes aware of the circumstances. The written submission shall contain: a description of the noncompliance and its cause; the period of noncompliance including exact dates and time, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance.
- a. The following shall be included as information which must be reported within 24 hours under this condition:
 1. Any unanticipated bypass which causes any reclaimed water or effluent to exceed any permit limitation or results in an unpermitted discharge,
 2. Any upset which causes any reclaimed water or the effluent to exceed any limitation in the permit,

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EXPIRATION DATE: February 18, 2004
FACILITY ID NO.: 3145P04522

3. Violation of a maximum daily discharge limitation for any of the pollutants specifically listed in the permit for such notice, and
 4. Any unauthorized discharge to surface or ground waters.
- b. If the oral report has been received within 24 hours, the noncompliance has been corrected, and the noncompliance did not endanger health or the environment, the Department shall waive the written report.

[62-620.610(20), 12-24-96]

21. The permittee shall report all instances of noncompliance not reported under Permit Conditions IX. 18. and 19. of this permit at the time monitoring reports are submitted. This report shall contain the same information required by Permit Condition IX. 20 of this permit. *[62-620.610(21), 12-24-96]*

22. Bypass Provisions.

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

[62-620.610(22), 12-24-96]

23. Upset Provisions

PERMITTEE:
Florida Water Services Corporation
Post Office Box 609520
Orlando, FL 32860-9520

PERMIT NUMBER: FLA011688
ISSUANCE DATE: February 19, 1999
EXPIRATION DATE: February 18, 2004
FACILITY ID NO.: 3145P04522

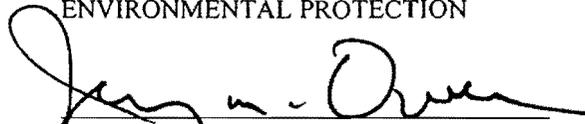
- a. A permittee who wishes to establish the affirmative defense of upset shall demonstrate, through properly signed contemporaneous operating logs, or other relevant evidence that:
 1. An upset occurred and that the permittee can identify the cause(s) of the upset;
 2. The permitted facility was at the time being properly operated;
 3. The permittee submitted notice of the upset as required in Permit Condition IX. 20. of this permit; and
 4. The permittee complied with any remedial measures required under Permit Condition IX. 5. of this permit.
- b. In any enforcement proceeding, the permittee seeking to establish the occurrence of an upset has the burden of proof.
- c. Before an enforcement proceeding is instituted, no representation made during the Department review of a claim that noncompliance was caused by an upset is final agency action subject to judicial review.

[62-620.610(23), 12-24-96]

Executed in Jacksonville, Florida.

JMO
KAS

STATE OF FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION



Jerry M. Owen, P.E.
Water Facilities Administrator

DATE: 2/23/99

FILING AND ACKNOWLEDGEMENT

This document, pursuant to §120.52, Florida
Statutes, was filed with the designated Department Clerk,
of which is hereby acknowledged.

Louise Smith 2/23/99
Clerk

**STATEMENT OF BASIS
FOR
STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
DOMESTIC WASTEWATER FACILITY PERMIT**

PERMIT NUMBER: FLA011688-001-DW1R
 FACILITY NAME: Amelia Island WWTF
 FACILITY LOCATION: Amelia City
 Nassau County
 NAME OF PERMITTEE: Florida Water Services Corporation
 PERMIT WRITER: Jason Sparks 

**BASIS FOR EFFLUENT AND RECLAIMED WATER LIMITS AND MONITORING REQUIREMENTS
(INCLUDING EFFLUENT MONITORING REQUIREMENTS)**

The following table provides the basis for Part I. A. provisions.

Land Application System R001

Parameter	Basis	Rationale
Flow, in conduit or thru treatment plant	Annual Average	62-600.400(3)(b) FAC
BOD, Carbonaceous 5 day, 20C	Annual Average Monthly Average Weekly Average Single Sample Max.	62-610.460 & 62-600.740(1)(b)1.a. FAC 62-600.740(1)(b)1.b. FAC 62-600.740(1)(b)1.c. FAC 62-600.740(1)(b)1.d. FAC
Solids, Total Suspended	Single Sample Max.	62-610.460(1) & 62-600.440(5)(f)3. FAC
pH	Minimum and Maximum	62-600.445 FAC
Coliform, Fecal	75th Percentile Single Sample Max.	62-600.440(5)(f)1. FAC 62-610.460 & 62-600.440(5)(f)2. FAC
Total Residual Chlorine (For Disinfection)	Minimum	62-600.440(5)(b), 62-610.460(2), & 62-610.463(2) FAC
Turbidity	Maximum	62-610.463(2) FAC
Monitoring Frequency and Sample Type	All Parameters	62-601 FAC & 62-699 FAC and/or BPJ of permit writer
Sampling Location	All Parameters	62-610.463(1) FAC

The following table provides the basis for Part I. B. provisions.

Other Limitations and Monitoring Requirements:

Amended Exhibit L

A description of the types of customers anticipated to be served by the extension, i.e., single family homes, mobile homes, duplexes, golf course, clubhouse, commercial, etc.

The community will consist of 260 single-family homes, a 30-40 room inn, a non-denominational church, a clubhouse, and a restaurant.

Late-Filed Appendix T-4

Certified Mail Return Receipt Cards

Is your RETURN ADDRESS completed on the reverse side?

SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

- 1. Addressee's Address
- 2. Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

State of Florida Public Counsel
 c/o The House of Representative
 The Capitol
 Tallahassee, Florida 32399-1300

4a. Article Number

P 123 393 028

4b. Service Type

- Registered Certified
- Express Mail Insured
- Return Receipt for Merchandise COD

7. Date of Delivery

JUN 24 1999

5. Received By: (Print Name)

R. A. NOAN

6. Signature: (Addressee or Agent)

X Richard S. Noan

8. Addressee's Address (Only if requested and fee is paid)

PS Form 3811, December 1994

Domestic Return Receipt

Is your RETURN ADDRESS completed on the reverse side?

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- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

- 1. Addressee's Address
- 2. Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

JACKSONVILLE, FL 32207-1311
 Mayor, City of Fernandina Beach
 P.O. Box 668
 Fernandina Beach, Florida 32034-0668

4a. Article Number

P 123 393 023

4b. Service Type

- Registered Certified
- Express Mail Insured
- Return Receipt for Merchandise COD

7. Date of Delivery

5. Received By: (Print Name)

6. Signature: (Addressee or Agent)

X Amanda Kyle

8. Addressee's Address (Only if requested and fee is paid)

PS Form 3811, December 1994

Domestic Return Receipt

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I also wish to receive the following services (for an extra fee):

- 1. Addressee's Address
- 2. Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

Division of Records and Reporting
 Florida Public Service Commission
 2540 Shumard Oak Boulevard
 Tallahassee, Florida 32399-0850

4a. Article Number

P123 393 030

4b. Service Type

- Registered Certified
- Express Mail Insured
- Return Receipt for Merchandise COD

7. Date of Delivery

JUN 24 1999

5. Received By: (Print Name)

8. Addressee's Address (Only if requested and fee is paid)

6. Signature: (Addressee or Agent)

X *[Signature]*

PS Form 3811, December 1994

Domestic Return Receipt

Thank you for using Return Receipt Service.

Is your RETURN ADDRESS completed on the reverse side?

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I also wish to receive the following services (for an extra fee):

- 1. Addressee's Address
- 2. Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

Mayor, Town of Callahan
 P.O. Box 5016
 Callahan, Florida 32011-5016

4a. Article Number

P123 393 024

4b. Service Type

- Registered Certified
- Express Mail Insured
- Return Receipt for Merchandise COD

7. Date of Delivery

6/24/99

5. Received By: (Print Name)

8. Addressee's Address (Only if requested and fee is paid)

6. Signature: (Addressee or Agent)

[Signature]

PS Form 3811, December 1994

Domestic Return Receipt

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I also wish to receive the following services (for an extra fee):

- 1. Addressee's Address
- 2. Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

DEP Northeast District
 7825 Baymeadows Way,
 Suite 2000
 Jacksonville, FL 32256-7577

4a. Article Number

P 123 393 029

4b. Service Type

- Registered Certified
- Express Mail Insured
- Return Receipt for Merchandise COD

7. Date of Delivery

6/24/99

5. Received By: (Print Name)

8. Addressee's Address (Only if requested and fee is paid)

6. Signature: (Addressee or Agent)

X *[Signature]*

PS Form 3811, December 1994

Domestic Return Receipt

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I also wish to receive the following services (for an extra fee):

1. Addressee's Address

2. Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

Clerk, Board of County Commissioners, Nassau County
P.O. Box 456
Fernandina Beach, Florida 32034-

4a. Article Number
P123 393 022

4b. Service Type

Registered Certified

Express Mail Insured

Return Receipt for Merchandise COD

7. Date of Delivery
6-25-99

5. Received By: (Print Name)
Lutisha Jones

8. Addressee's Address (Only if requested and fee is paid)

6. Signature: (Addressee or Agent)
X Lutisha Jones

PS Form 3811, December 1994 Domestic Return Receipt

Is your RETURN ADDRESS completed on the reverse side?

SENDER:

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- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

1. Addressee's Address

2. Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

St. Johns River Water Management District
P.O. Box 1429
Palatka, Florida 32178-1429

4a. Article Number
P123 393 027

4b. Service Type

Registered Certified

Express Mail Insured

Return Receipt for Merchandise COD

7. Date of Delivery

5. Received By: (Print Name)

8. Addressee's Address (Only if requested and fee is paid)

6. Signature: (Addressee or Agent)
X [Signature]

PS Form 3811, December 1994 Domestic Return Receipt



Is your RETURN ADDRESS completed on the reverse side?

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- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

1. Addressee's Address

2. Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

John T. English
Florida Public Utilities Company
P.O. Box 3395
West Palm Beach, FL 33402-3395

4a. Article Number
P123 393 020

4b. Service Type

Registered Certified

Express Mail Insured

Return Receipt for Merchandise COD

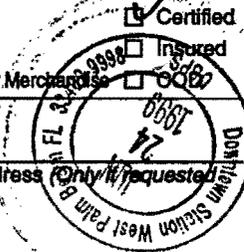
7. Date of Delivery

5. Received By: (Print Name)
GEORGE C. FAZIO

8. Addressee's Address (Only if requested and fee is paid)

6. Signature: (Addressee or Agent)
X [Signature]

PS Form 3811, December 1994 Domestic Return Receipt



Thank you for using Return Receipt Service.

Is your RETURN ADDRESS completed on the reverse side?

SENDER:

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- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
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- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

- 1. Addressee's Address
- 2. Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

Mayor, Town of Hilliard
P.O. Box 249
Hilliard, Florida 32046-0249

4a. Article Number
P123 393 025

4b. Service Type
 Registered Certified
 Express Mail Insured
 Return Receipt for Merchandise COD

7. Date of Delivery
6-28-99

5. Received By: (Print Name)

8. Addressee's Address (Only if requested and fee is paid)

6. Signature: (Addressee or Agent)
X Dawn Powell

PS Form 3811, December 1994

Domestic Return Receipt

Is your RETURN ADDRESS completed on the reverse side?

SENDER:

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- Complete items 3, 4a, and 4b.
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- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

- 1. Addressee's Address
- 2. Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

Gary R. Moseley
United Water Florida, Inc.
P.O. Box 8004
Jacksonville, Florida 32239-0004

4a. Article Number
P123 393 021

4b. Service Type
 Registered Certified
 Express Mail Insured
 Return Receipt for Merchandise COD

7. Date of Delivery

5. Received By: (Print Name)

8. Addressee's Address (Only if requested and fee is paid)

6. Signature: (Addressee or Agent)
X R Miller

PS Form 3811, December 1994

Domestic Return Receipt

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I also wish to receive the following services (for an extra fee):

- 1. Addressee's Address
- 2. Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

N.E. Florida Regional Planning Council
9143 Phillips Highway, Suite 350
Jacksonville, Florida 32256

4a. Article Number
P123 393 026

4b. Service Type
 Registered Certified
 Express Mail Insured
 Return Receipt for Merchandise COD

7. Date of Delivery
6-24-99

5. Received By: (Print Name)

8. Addressee's Address (Only if requested and fee is paid)

6. Signature: (Addressee or Agent)
X J. Green

PS Form 3811, December 1994

Domestic Return Receipt

Late-Filed Appendix V-2

Proof of Newspaper Publication

News-Leader

Published Weekly

Ash Street/P.O. Box 766 (904) 261-3696
Fernandina Beach, Nassau County, Florida 32034

LEGAL NOTICE NOTICE OF APPLICATION FOR AN EXTENSION OF SERVICE AREA

You are hereby given notice on June 21, 1999, pursuant to Section 367.045, Florida Statutes, of the Application of Florida Water Services Corporation to amend its Water and Wastewater Certificate Nos. 171-W and 122-S to add territory located in Nassau County, Florida, as follows:

NASSAU COUNTY

The territory proposed to be added is the same for both water and wastewater and is described as follows:

A portion of Section 19, "Croney Island," and a portion of Section 6 and 49, all in Township 2 North, Range 28 East, Nassau County, Florida, being more particularly described as follows:

Commence at the Northwest corner of said Section 6; thence S89°48'01"E, along the Northernly line of said Section 6, a distance of 1,143.72 feet; thence S23°19'40"W, 1,135.18 feet, to the Point of Beginning; Continue S23°19'40"W, 111.15 feet; thence S00°10'48"W, 327.86 feet; thence S09°53'05"E, 496.61 feet; thence S21°48'05"W, 80.78 feet; thence S68°11'55"E, 26.93 feet; thence N04°05'08"E, 70.18 feet; thence S78°41'24"E, 50.99 feet; thence N26°33'54"E, 44.72 feet; thence S83°53'04"E, 140.80 feet; thence N39°28'21"W, 110.11 feet; thence S49°23'55"W, 92.20 feet; thence S86°11'09"W, 284.80 feet; thence N50°37'47"E, 46.38 feet; thence S01°20'01"W, 284.50 feet; thence N50°37'47"E, 46.38 feet; thence S14°48'00"E, 63.24 feet; thence N68°30'21"E, 49.57 feet; thence N44°11'53"E, 109.78 feet; thence S39°52'47"E, 49.14 feet; thence N38°05'15"E, 53.44 feet; thence N64°51'40"E, 59.41 feet; thence N29°31'42"E, 73.29 feet; thence S64°12'35"E, 57.34 feet; thence S04°07'01"E, 225.67 feet; thence N19°15'12"E, 75.00 feet; thence S13°01'15"E, 53.04 feet; thence S19°15'12"W, 85.26 feet; thence S02°57'43"E, 87.20 feet; thence S78°34'19"E, 62.01 feet; thence N25°20'49"E, 88.59 feet; thence N10°00'00"W, 67.54 feet; thence S51°06'36"W, 44.72 feet; thence S65°28'19"W, 261.52 feet; thence N69°31'03"W, 94.43 feet; thence S49°20'09"W, 94.17 feet; thence S74°34'09"E, 141.93 feet; thence S44°16'05"E, 52.74 feet; thence S04°49'42"W, 113.69 feet; thence

S52°23'53"E, 69.62 feet; thence N75°32'52"E, 56.74 feet; thence S28°04'35"E, 64.20 feet; thence S12°21'19"W, 248.98 feet; thence S36°22'50"W, 134.63 feet; thence S08°46'24"W, 57.66 feet; thence S48°13'44"W, 114.05 feet; thence S36°54'27"W, 59.38 feet; thence S51°09'37"W, 73.70 feet; thence S01°32'06"W, 63.56 feet; thence S13°16'09"W, 54.31 feet; thence S05°24'52"W, 54.62 feet; thence S38°34'53"W, 99.52 feet; thence S57°45'16"W, 43.99 feet; thence N20°53'50"W, 165.67 feet; thence N24°47'58"W, 100.27 feet; thence N41°09'56"W, 102.29 feet; thence N33°19'15"W, 100.28 feet; thence N27°46'17"W, 100.02 feet; thence N39°13'10"E, 20.24 feet; thence N39°26'44"W, 94.05 feet; thence N15°56'27"W, 100.65 feet; thence N25°31'47"W, 100.00 feet; thence N22°22'49"W, 100.10 feet; thence N32°15'03"W, 100.82 feet; thence N22°03'09"W, 95.72 feet; thence N07°35'42"W, 100.32 feet; thence N12°20'27"W, 100.00 feet; thence N14°27'34"W, 100.08 feet; thence N01°34'37"W, 101.73 feet; thence N16°00'07"W, 100.22 feet; thence N16°23'39"W, 94.90 feet; thence N05°55'55"W, 100.32 feet; thence N07°10'22"E, 101.12 feet; thence N08°05'08"W, 110.67 feet; thence N02°37'48"E, 37.66 feet; thence N04°06'05"W, 199.79 feet; thence N04°53'01"W, 131.15 feet; thence N12°09'13"W, 160.18 feet; thence N05°01'54"E, 160.02 feet; thence N13°25'31"W, 141.70 feet; thence N14°18'10"W, 154.82 feet; thence N08°30'37"W, 143.95 feet; thence N05°35'10"W, 144.68 feet; thence N41°54'22"E, 128.72 feet; thence N39°39'37"W, 184.51 feet; thence N08°26'08"W, 155.35 feet; thence N00°22'39"W, 103.87 feet; thence N02°17'02"E, 114.51 feet; thence N59°55'35"E, 30.64 feet; thence N83°34'36"E, 2,119.07 feet to the Point of Beginning.

Containing 113.69 acres, more or less.

Any objection to the said application must be made in writing within thirty days from this date to: Director, Division of Records and Reporting, Florida Public Service Commission, 2540 Shumard Oak Boulevard, Tallahassee, Florida 32399-0870. A copy of said objection should be mailed to the applicant, whose address is Florida Water Services Corporation, Attn: Matthew J. Feil, Esquire, P.O. Box 609520, Orlando, FL 32860-9520. 11 06-30-99 8889

STATE OF FLORIDA COUNTY OF NASSAU:

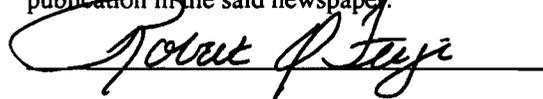
Before the undersigned authority personally appeared
Robert O. Fiege

who on oath says that he is the Production Director of The Fernandina Beach *News-Leader*, a weekly newspaper published at Fernandina Beach in Nassau County, Florida; that the attached copy of advertisement, being a **Legal Notice** in the matter of

NOTICE OF APPLICATION FOR AN EXTENSION OF SERVICE AREA Florida Water Services Corporation

was published in said newspaper in the issues of
06-30-99
ref. No. **8889**

Affiant further says that the said Fernandina Beach *News-Leader* is a newspaper published at Fernandina Beach, in said Nassau County, Florida, and that the said newspaper has heretofore been continuously published in said Nassau County, Florida, each week and has been entered as second class mail matter at the post office in Fernandina Beach in said Nassau County, Florida, for a period of one year next preceding the first publication of the attached copy of advertisement; and affiant further says that he has neither paid nor promised any person, firm or corporation any discount, rebate, commission or refund for the purpose of securing this advertisement for publication in the said newspaper.



Sworn to and subscribed before me

this 1st day of July, A.D. 1999.


Angelina B. Mudd Notary Public

TYPE OF IDENTIFICATION
Personally Known 

ANGELINA B. MUDD
Notary Public, State of Florida
My Comm. expires Jan. 4, 2000
Comm. No. CC 522754