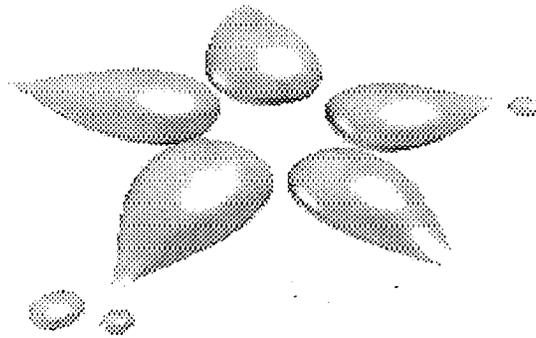


ORIGINAL



# United Water

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Before the

Florida Public Service Commission

Docket No. 980214-WS

Application for a General Rate Increase

H - 7 Schedule

Containing

25-30.440

Additional Engineering Information

Required of Class A & B

Water and Sewer Utilities

DOCUMENT NUMBER-DATE

05514 MAY 18 88

FPSC-RECORDS/REPORTING

Book 3 of 3

**PERMITTEE:**  
 United Water Florida - St. Johns North WWTF  
 1400 Millcoe Road  
 Jacksonville, FL 32225-4442

**PERMIT NUMBER:** FL0117668  
**ISSUANCE DATE:** December 11, 1996  
**EXPIRATION DATE:** December 11, 2001  
**APPLICATION No.:** 287448

**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				Note
			Annual Average	Monthly Average	Weekly Average	Single Sample	Monitoring Frequency	Sample Type	Monitoring Location Site Number		
Carbonaceous Biochemical Oxygen Demand (5 day)	mg/L	Maximum		Report			Monthly	8-hour flow proportioned composite	INF-1	See Cond.I.B.3	
Total Suspended Solids	mg/L	Maximum		Report			Monthly	8-hour flow proportioned composite	INF-1	See Cond.I.B.3	
Nutrient Monitoring	See Permit Condition I.B. 8										
Stream Monitoring	See Permit Condition I.B. 9										
Benthic Monitoring	See Permit Condition I.B. 10										

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-1	Influent pumping station

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), 5-31-93]
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. [62-620.610(18), 11-29-94]
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), 5-31-93]

**PERMITTEE:**

United Water Florida - St. Johns North WWTF  
 1400 Millcoe Road  
 Jacksonville, FL 32225-4442

**PERMIT NUMBER:**

FL0117668

**ISSUANCE DATE:**

December 11, 1996

**EXPIRATION DATE:**

December 11, 2001

**APPLICATION No.:**

287448

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 by the twenty-eighth (28th) of the month following the month of operation at the address specified below:

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

*[62-620.610(18), 11-29-94][62-601.300(1),(2), and (3), 5-31-93]*

7. 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 District Office at the address specified below:

Florida Department of Environmental Protection  
 Northeast District Office District Office  
 Florida Dept. of Environmental Protection 7825 Baymeadows Way, Suite 200B  
 Jacksonville, Florida 32256-7590

Phone Number - (904) 448-4330

FAX Number - (904) 448-4366 All FAX copies shall be followed by original copies.

8. No later than sixty (60) days following permit date of issuance, effluent discharged by the subject facility shall be sampled and tested for the following:
- Nitrite nitrogen (NO<sub>2</sub>-N) and nitrate nitrogen (NO<sub>3</sub>-N).
  - Total nitrogen.
  - Total Kjeldhal nitrogen.
  - Organic nitrogen.
  - Total ammonia.
  - Unionized ammonia (calculated)
  - temperature (average of sample time period)
  - Total phosphorus.
  - Orthophosphorus.

An 8-hour flow proportioned composite sample shall be taken at least once every quarter until further notice is received from the Department. Test results (showing parameters and corresponding concentrations in mg/L) shall be submitted to the Department with the discharge monitoring report corresponding to the month in which the samples were taken. *[62-302.530(48), 8-8-94]*

9. The Permittee shall initiate regular monitoring of the segment of Big Lige Branch near the outfall for maintaining data on the impact of the discharge to the water quality of the surface water body. Monitoring shall be on a quarterly basis and shall coincide with the quarterly nutrient monitoring of the facility effluent discharge. The monitoring sites are described as follows:

SWB-1 approximately 50 feet upstream of the outfall D002 at mid stream and mid depth.

SWB-2 approximately 300 feet downstream of the outfall D001 at mid stream and mid depth.

**PERMITTEE:**  
United Water Florida - St. Johns North WWTF  
1400 Millcoe Road  
Jacksonville, FL 32225-4442

**PERMIT NUMBER:** FL0117668  
**ISSUANCE DATE:** December 11, 1996  
**EXPIRATION DATE:** December 11, 2001  
**APPLICATION No.:** 287448

The parameters to be measured shall include the following:

DO, pH, temperature, conductivity, salinity, CBOD<sub>5</sub>, NH<sub>3</sub>-N, TKN, NO<sub>2</sub>-N and NO<sub>3</sub>-N, TP, Ortho-Phosphorus, Chlorophyll A, alkalinity, color, chloride.

Grab samples at mid depth for all parameters is adequate. The results of instream monitoring shall be submitted to the Northeast District Office. [62-4.240(3)(c), 4-30-95]

10. The Permittee shall conduct sediment sampling to include up to six with a minimum of two (2) sites, one (1) 50 feet upstream of the outfall D002 and one (1) 300 feet downstream of the outfall D001 for the purpose of maintaining data on the impact of the discharge to the river sediments and associated benthic communities near the outfall to the surface water body. Sediment samples shall be collected with dip net sweeps and visual observations made of sediment texture and organic content, water depth, and current velocity. The sampling locations shall be similar to the outfall location and monitoring shall be on an annual basis and shall coincide with the 2nd quarterly nutrient and stream monitoring events for the facility effluent discharge.

Three replicate sediment samples will be collected at each site noted above using the dip net sweeps and analyzed in the field or lab separately. Each specie(s) of benthic macroinvertebrates shall be identified as well as the number of each specie(s) found. A report of the analyses shall be submitted to the Department along with the quarterly nutrient and stream monitoring results. The analyses shall also include field notes describing the color, texture, or any other qualitative description of the sediments, and other pertinent information. The results of the benthic monitoring shall be submitted to the Northeast District Office. [62-302.530(11), 8-8-94]

11. 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 62-601.900(4), 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 District Office by July 1st of each year. [62-601.300(4), 5-31-93][62-601.500(3), 5-31-93]
12. 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]

## II. RESIDUALS MANAGEMENT REQUIREMENTS

### Basic Management Requirements

1. The method of residuals use or disposal by this facility is land application.
2. Land application of residuals shall be in accordance with the conditions of this permit and the requirements of Chapter 62-640, F.A.C. [62-640, 3-1-91]

**PERMITTEE:**  
 United Water Florida - St. Johns North WWTF  
 1400 Millcoe Road  
 Jacksonville, FL 32225-4442

**PERMIT NUMBER:** FL0117668  
**ISSUANCE DATE:** December 11, 1996  
**EXPIRATION DATE:** December 11, 2001  
**APPLICATION No.:** 287448

3. The domestic wastewater residuals for this facility are classified as Class B.
4. The wastewater treatment facility permittee shall be responsible for proper handling, use, and disposal of its residuals and will be held responsible for any disposal violations that occur unless the permittee can demonstrate that it has delivered residuals that meet the chemical criteria and appropriate stabilization requirements of this permit and that the disposer (e.g. hauler, contractor, or disposal/land application site owner) has legally agreed in writing to accept responsibility for proper disposal. [62-640.300(3), 3-1-91]
5. The permittee shall sample and analyze the residuals at least once every 6 months. All samples shall be representative and shall be taken after final treatment of the residuals but before use or disposal. Sampling and analysis shall be in accordance with the U.S. Environmental Protection Agency publication - POTW Sludge Sampling and Analysis Guidance Document, 1989. The following parameters shall be sampled and analyzed:

Parameter	Maximum Concentration	Maximum Cumulative Loading
Total Nitrogen	(Report only) % dry weight	Not applicable
Total Phosphorus	(Report only) % dry weight	Not applicable
Total Potassium	(Report only) % dry weight	Not applicable
Cadmium	100 mg/kg dry weight	4.4 pounds /acre *
Copper	3000 mg/kg dry weight	125 pounds/acre
Lead	1500 mg/kg dry weight	500 pounds/acre
Nickel	500 mg/kg dry weight	125 pounds/acre
Zinc	10,000 mg/kg dry weight	250 pounds/acre
pH	(Report only) standard units	Not applicable
Total Solids	(Report only) %	Not applicable

\* The annual application rate for cadmium shall not exceed 0.5 pounds/acre/year.

6. Florida water quality criteria and standards shall not be violated as a result of land application of residuals. [62-640.700(3)(c), 3-1-91]

#### Agricultural Sites

7. Class B residuals shall not be used on unrestricted access areas. [62-640.600(6)(b), 3-1-91]
8. Class B residuals application shall be in accordance with the Agricultural Use Plan(s) approved by the Department for this facility. [62-640.300(1), 3-1-91]

**PERMITTEE:**  
 United Water Florida - St. Johns North WWTF  
 1400 Millcoe Road  
 Jacksonville, FL 32225-4442

**PERMIT NUMBER:** FL0117668  
**ISSUANCE DATE:** December 11, 1996  
**EXPIRATION DATE:** December 11, 2001  
**APPLICATION No.:** 287448

9. Root crops, and fruits and vegetables which touch the soil and which are to be consumed raw shall not be grown on the application site for 18 months after the last application of Class B residuals. [62-640.600(6)(c), 3-1-91]
10. Fruits and vegetables which do not touch the soil and which are to be consumed raw shall not be harvested from the application site for 30 days following the last application of Class B residuals. Orchard tree crops, which do not come in contact with the residuals due to the application method, are exempted. This exemption does not apply to orchard tree crops which have fallen to the ground before harvesting. [62-640.600(6)(d), 3-1-91]
11. Pasture vegetation on the application site shall not be cut or used for grazing by livestock for 30 days following the last application of Class B residuals. [62-640.600(6)(e), 3-1-91]
12. The public shall be restricted from the application area for 12 months after the last application of Class B residuals. [62-640.600(6)(f), 3-1-91]
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 facilities 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. The current Agricultural Use Plan(s) identifies residuals landspreading on the following sites: [62-620.330, 11-29-94]

Site Name	Application Area (Acres)	Site Location	
		City	County
Maguire Timber	50	St. Augustine	St. Johns
Higgenbotham	263	Jacksonville	Duval
Cope Farm	134.4	Jacksonville	Duval

14. Annual residuals application rates shall not exceed the agronomic rates based on the nitrogen requirements of the site vegetation in accordance with the approved Agricultural Use Plan. [62-640.700(3)(d), 3-1-91]
15. Residuals shall be applied with techniques and equipment to assure uniform application over the site. [62-640.700(3)(n), 3-1-91]
16. The pH of the domestic wastewater residuals soil mixture shall be 6.5 or greater at the time domestic wastewater residuals are applied. At a minimum, testing shall be done annually. [62-640.700(3)(h), 3-1-91]
17. The permittee shall maintain records of application areas and application rates on DEP Form 62-640.900(3) and shall have these records available for inspection upon request by the Department or the appropriate Local Environmental Program. These records shall include:
  - a. Date of application of the residuals,
  - b. Location of the residuals application site,
  - c. Amount of residuals applied or delivered,
  - d. Identification of specific areas of the site where residuals were applied and acreage of that area,
  - e. Method of incorporation of residuals (if any),
  - f. Water table level at time of application, and

**PERMITTEE:**  
 United Water Florida - St. Johns North WWTF  
 1400 Millcoe Road  
 Jacksonville, FL 32225-4442

**PERMIT NUMBER:** FL0117668  
**ISSUANCE DATE:** December 11, 1996  
**EXPIRATION DATE:** December 11, 2001  
**APPLICATION No.:** 287448

- g. Concentration of nitrogen and heavy metals in the residuals, percent solids, and date of last analysis.

The permittee shall provide: annual updates to the Agricultural Use Plan(s) to reflect any changes in domestic wastewater residuals characteristics or agricultural practices; summaries of the total residuals, nitrogen, and heavy metals applied on an annual basis; and annual summaries of the cumulative metals applied. Updates to the Agricultural Use Plan and annual summaries, including copies of applicable analytical laboratory reports for the wastewater residuals analysis for that period, shall be submitted to the Northeast District Office by 3/1 of each year. [62-640.700(3)(e) and (p), 3-1-91]

**III. GROUND WATER MONITORING REQUIREMENTS**

1. During the period of operation authorized by this permit, the permittee shall sample ground water in accordance with this permit and the approved ground water monitoring plan prepared in accordance with Rule 62-522.600, F.A.C. [62-522.600, 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. Any new ground water monitoring wells identified below, shall be installed within 90 days of issuance of this permit. Within 30 days of installation of a new monitoring well, the permittee shall submit to the Department's Northeast District Office detailed information on the well's location and construction on the attached DEP Form(s) 62-522.900(3), Monitor Well Completion Report. [62-522.600, 4/14/94]
3. Prior to construction of new ground water monitoring wells, a soil boring shall be made at each new monitoring well location in order to properly size the well depth and screen interval. [62-522.900(3), 4/14/94]
4. 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]

Site of Wastewater Treatment Plant on Flora Branch Blvd.

<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-1B	3155A14510	12	At southern facility margin between new and old percolation ponds.	Background	Existing
MW-1	3155A14511	12	West end of old percolation ponds.	Intermediate	Existing
MW-2	3155A14512	12	Along Flora Branch Blvd. at NW corner of new percolation ponds.	Compliance	Existing
MW-3	3155A14513	12	SW corner of new perc. ponds.	Compliance	Existing
MW-4	3155A14514	14	Along Flora Branch Blvd. at NE corner of new percolation ponds.	Compliance	Existing
MW-5	3155A14515	12	Along northern margin of old percolation ponds.	Compliance	Existing
MW-6	3155A14516	12	Along eastern margin of old percolation ponds.	Compliance	Existing

Site of Potable Water Treatment Plant

**PERMITTEE:**  
 United Water Florida - St. Johns North WWTF  
 1400 Millcoe Road  
 Jacksonville, FL 32225-4442

**PERMIT NUMBER:** FL0117668  
**ISSUANCE DATE:** December 11, 1996  
**EXPIRATION DATE:** December 11, 2001  
**APPLICATION No.:** 287448

<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>
BW-1B	3155A14517	16	At potable water treatment plant near ground storage tank(s).	Background	Existing
CW-2	3155A14518	16	Along west margin of percolation ponds.	Compliance	Existing
CW-3	3155A14519	18	Along south margin of percolation ponds.	Compliance	Existing
CW-4	3155A14520	18	Along east margin of percolation ponds.	Compliance	Existing

5. The following parameters shall be analyzed quarterly for each of the monitoring well(s) identified above: [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>
Water level (feet)	82545	in-situ
Nitrite+Nitrate (mg/l as N)	00630	grab
Total Dissolved Solids (mg/l)	70304	grab
Arsenic (ug/l)	01002	grab
Cadmium (ug/l)	01027	grab
Chromium (ug/l)	01118	grab
Lead (ug/l)	01051	grab
Turbidity (NTU)	82078	grab
Chloride (mg/l)	00940	grab
Fecal Coliform (colonies/100 ml)	31616	grab
pH (standard units)	00406	in-situ
Sulfate (mg/l)	00945	grab

6. Ground water monitoring parameters shall be analyzed in accordance with Chapter 62-601, F.A.C. [62-620.610(18), 11-29-94]
7. Ground water monitoring test results shall be submitted on Form 62-620.910(10), or such other format as approved by the Department. Results shall be submitted with the April, July, October, and January DMR for each year during the period of operation allowed by this permit. [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]
8. Ground water monitoring wells shall be purged prior to sampling to obtain representative samples. [62-601.700(5), 5-31-93]
9. Water levels shall be recorded before evacuating wells for sample collection. Elevation references shall include the top of the well casing and land surface at each well site (NGVD allowable) at a precision of plus or minus 0.1 foot. [62-610.424(3), 4-2-94]

#### IV. ADDITIONAL REUSE AND LAND APPLICATION REQUIREMENTS

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. For major users of reclaimed water (i.e., using 0.1 mgd or more), the zone of

**PERMITTEE:**  
United Water Florida - St. Johns North WWTF  
1400 Millcoe Road  
Jacksonville, FL 32225-4442

**PERMIT NUMBER:** FL0117668  
**ISSUANCE DATE:** December 11, 1996  
**EXPIRATION DATE:** December 11, 2001  
**APPLICATION No.:** 287448

discharge shall extend horizontally to the site property line 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 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]

## V. OPERATION AND MAINTENANCE REQUIREMENTS

### Staffing 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 II, Class C facility. Because the facility has been granted relief from the permitted flow limit pursuant to Administrative Order AO 024 NE, the Department has determined that at a minimum, operators with appropriate certification must be on the site as follows:

A Class C or higher operator 3 hours/day for 5 days/week and one weekend visit. The lead operator must be a Class C operator, or higher.

[62-699, 5-20-94] [62-620.630(3), 11-29-94] [62-699.310, 5-20-92] [62-699.311(9), 5-20-92] [62-610.462(2), 4-2-90]

2. A certified operator shall be on call during periods the plant is unattended. [62-699.311(1), 5-20-92]

### Capacity Analysis Report and Operation and Maintenance Performance Report Requirements

3. An updated capacity analysis report shall be submitted to the Department annually by July 1st 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), 6-8-93]
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), 6-8-93]

### Recordkeeping Requirements

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

**PERMITTEE:**  
United Water Florida - St. Johns North WWTF  
1400 Millcoe Road  
Jacksonville, FL 32225-4442

**PERMIT NUMBER:** FL0117668  
**ISSUANCE DATE:** December 11, 1996  
**EXPIRATION DATE:** December 11, 2001  
**APPLICATION No.:** 287448

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, 11-29-94][61E12-41.010(1)(e), 11-02-93]*

#### VI. COMPLIANCE SCHEDULES AND SELF-IMPOSED IMPROVEMENT SCHEDULES

1. This facility shall complete the schedule requirements included in Administrative Order AO 024 NE.

#### VII. INDUSTRIAL PRETREATMENT PROGRAM REQUIREMENTS

1. This facility is not required to have a pretreatment program at this time. *[62-625.500, 11-29-94]*

#### VIII. OTHER SPECIFIC CONDITIONS

1. Prior to placing the newly constructed facilities into operation or any individual unit processes into operation, for any purpose other than testing for leaks and equipment operation, the permittee shall complete and submit to the Department DEP Form 62-620.910(12), Notification of Completion of Construction for Domestic Wastewater Facilities. *[62-620.630(2), 11-29-94]*
2. Within six months after a facility is placed in operation, the permittee shall provide written certification to the Department on Form 62-620.910(13) that record drawings pursuant to Chapter 62-600, F.A.C., and that an operation and maintenance manual pursuant to Chapters 62-600 and 62-610, F.A.C., as applicable, are available at the location specified on the form. *[62-620.630(7), 11-29-94]*
3. 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), 11-26-94]*
4. The facilities shall comply with any conditions that the Secretary of the Army (United States Army Corps of Engineers) considers necessary to ensure that navigation and anchorage will not be substantially impaired. *[62-620.620(1)(g), 11-29-94]*
5. 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

**PERMITTEE:**

United Water Florida - St. Johns North WWTF  
1400 Millcoe Road  
Jacksonville, FL 32225-4442

**PERMIT NUMBER:**

FL0117668

**ISSUANCE DATE:**

December 11, 1996

**EXPIRATION DATE:**

December 11, 2001

**APPLICATION No.:**

287448

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. [62-600.410(8), 6-8-93]

6. 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), 5-31-93]
7. Collection/transmission system overflows shall be reported to the Department in accordance with Permit Condition IX. 20. [62-604.550, 5-31-93] [62-620.610(20), 11-29-94]
8. The operating authority of a collection/transmission system and the permittee of a treatment plant are prohibited from accepting connections of wastewater discharges which have not received necessary pretreatment or which contain materials or pollutants (other than normal domestic wastewater constituents):
  - a. Which may cause fire or explosion hazards; or
  - b. Which may cause excessive corrosion or other deterioration of wastewater facilities due to chemical action or pH levels; or
  - c. Which are solid or viscous and obstruct flow or otherwise interfere with wastewater facility operations or treatment; or
  - d. Which result in treatment plant discharges having temperatures above 40°C.[62-604.130(4), 5-31-93]
9. The treatment facility 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), 6-8-93]
10. Screenings and grit removed from the wastewater facilities shall be collected in suitable containers and hauled to a Department approved Class I landfill or to a landfill approved by the Department for receipt/disposal of screenings and grit. [62-7.540, 12-10-85]
11. 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.

**PERMITTEE:**

United Water Florida - St. Johns North WWTF  
1400 Millcoe Road  
Jacksonville, FL 32225-4442

**PERMIT NUMBER:**

FL0117668

**ISSUANCE DATE:**

December 11, 1996

**EXPIRATION DATE:**

December 11, 2001

**APPLICATION No.:**

287448

*[62-620.625(2), 11-29-94]*

**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), 11-29-94]*
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), 11-29-94]*
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 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), 11-29-94]*
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), 11-29-94]*
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), 11-29-94]*
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), 11-29-94]*
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), 11-29-94]*
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), 11-29-94]*
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,

**PERMITTEE:**  
United Water Florida - St. Johns North WWTF  
1400 Millcoe Road  
Jacksonville, FL 32225-4442

**PERMIT NUMBER:** FL0117668  
**ISSUANCE DATE:** December 11, 1996  
**EXPIRATION DATE:** December 11, 2001  
**APPLICATION No.:** 287448

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), 11-29-94]*

10. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data, and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except as such use is proscribed by Section 403.111, Florida Statutes, or Rule 62-620.302, Florida Administrative Code. Such evidence shall only be used to the extent that it is consistent with the Florida Rules of Civil Procedure and applicable evidentiary rules. *[62-620.610(10), 11-29-94]*
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), 11-29-94]*
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), 11-29-94]*
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), 11-29-94]*
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), 11-29-94]*
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), 11-29-94]*

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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), 11-29-94]
17. The permittee shall give advance notice to the Department of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements. The permittee shall be responsible for any and all damages which may result from the changes and may be subject to enforcement action by the Department for penalties or revocation of this permit. The notice shall include the following information:
  - a. A description of the anticipated noncompliance;
  - b. The period of the anticipated noncompliance, including dates and times; and
  - c. Steps being taken to prevent future occurrence of the noncompliance.[62-620.610(17), 11-29-94]
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 and Rehabilitative Services (DHRS) under Chapter 10D41, 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), 11-29-94]
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), 11-29-94]

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20. The permittee shall report to the Department any noncompliance which may endanger health or the environment. Any information shall be provided orally within 24 hours from the time the permittee becomes aware of the circumstances. A written submission shall also be provided within five days of the time the permittee becomes aware of the circumstances. The written submission shall contain: a description of the noncompliance and its cause; the period of noncompliance including exact dates and time, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance.
- a. The following shall be included as information which must be reported within 24 hours under this condition:
1. Any unanticipated bypass which causes any reclaimed water or effluent to exceed any permit limitation or results in an unpermitted discharge,
  2. Any upset which causes any reclaimed water or the effluent to exceed any limitation in the permit,
  3. Violation of a maximum daily discharge limitation for any of the pollutants specifically listed in the permit for such notice, and
  4. Any unauthorized discharge to surface or ground waters.
- b. 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), 11-29-94]*
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), 11-29-94]*
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

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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), 11-29-94]

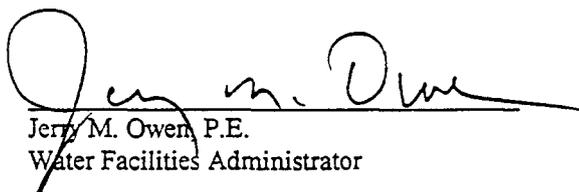
### 23. Upset Provisions

- a. A permittee who wishes to establish the affirmative defense of upset shall demonstrate, through properly signed contemporaneous operating logs, or other relevant evidence that:
  - 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), 11-29-94]

Executed in Jacksonville, Florida.

STATE OF FLORIDA DEPARTMENT OF  
ENVIRONMENTAL PROTECTION

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

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

*Roxanne Smith* 12/16/96

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

When Completed mail this report to: Department of Environmental Protection, Wastewater Facilities Management Section, MS 3551, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME: United Water Florida  
 MAILING ADDRESS: 1400 Millcoe Road  
 Jacksonville, FL 32225-4442

PERMIT NUMBER: FL0117668  
 MONITORING PERIOD From: \_\_\_\_\_  
 LIMIT: Final  
 CLASS SIZE: Minor

To: \_\_\_\_\_  
 REPORT: Monthly  
 GROUP: Domestic

FACILITY: St. Johns North WWTP  
 LOCATION: 2369 Hawcrest Drive East  
 Fruit Cove, FL 32259  
 COUNTY: St. Johns

FACILITY ID: FL0117668  
 GMS ID NO.: 3155P00425  
 DISCHARGE POINT NUMBER: D001  
 PLANT SIZE/TREATMENT TYPE: IIC

WAFR SITE NO.: 10409  
 GMS TEST SITE NO.: 3155X12540

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Flow through WWTP	Sample Measurement										
STORET No. 50050 Y Mon. Site No. EFA-1	Permit Measurement	0.225 (An. Avg.)	0.225 (Mo. Avg.)	mgd						5 Days/Week	Flow Meters
CBOD5	Sample Measurement										
STORET No. 80082 Y Mon. Site No. OUT-1	Permit Measurement				20.0 (An. Avg.)			mg/L		Every 2 Weeks	8-hour F.P.C.
CBOD5	Sample Measurement										
STORET No. 80082 I Mon. Site No. OUT-1	Permit Measurement				20.0 (Mo. Avg.)	40.0 (Max.)		mg/L		Every 2 Weeks	8-hour F.P.C.
TSS	Sample Measurement										
STORET No. 00530 I Mon. Site No. EFA-2	Permit Measurement				Report (Mo. Avg.)	5 (Max.)		mg/L		4 Days per Week	Grab
Fecal Coliform Bacteria	Sample Measurement										
STORET No. 31616 Y Mon. Site No. EFA-1	Permit Measurement				200 (An. Avg.)			#/100mL		4 Days per Week	Grab

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein; and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (YY/MM/DD)

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY NAME: St. Johns North WWTP

PERMIT NUMBER: FL0117668

DISCHARGE POINT NUMBER: D001

WAFR SITE No.: 10409

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Fecal Coliform Bacteria	Sample Measurement							
STORET No. 31616 1 Mon. Site No. EFA-1	Permit Measurement			Report (Mo. Geo. Mean) 800 (Max.)	#/100mL		4 Days per Week	Grab
pH	Sample Measurement							
STORET No. 00400 1 Mon. Site No. OUF-1	Permit Measurement			6.0 Min	7.5 Max	Std. Units	5 Days/Week	Grab
TRC for disinfection	Sample Measurement							
STORET No. 50060 A Mon. Site No. EFA-1	Permit Measurement			1.0 (Min.)		mg/L	5 Days/Week	Grab
TRC for dechlorination	Sample Measurement							
STORET No. 50060 1 Mon. Site No. OUF-1	Permit Measurement			0.0 (Max.)		mg/L	Every 2 Weeks	Grab
Nitrogen, Total Ammonia as N	Sample Measurement							
STORET No. 00610 G Mon. Site No. OUF-1	Permit Measurement			2.7 (Ann. Avg.)	mg/L as N		Every 2 Weeks	8-hour F.P.C.
Nitrogen, Total Ammonia as N	Sample Measurement							
STORET No. 00610 1 Mon. Site No. OUF-1	Permit Measurement			2.75 (Mo. Avg.)	4.4 (Max.)	mg/L as N	Every 2 Weeks	8-hour F.P.C.
Oxygen, Dissolved (DO)	Sample Measurement							
STORET No. 00300 1 Mon. Site No. OUF-1	Permit Measurement			5.0 (Max.)	mg/L		5 Days/Week	Grab
NO3-Nitrogen, Total as N	Sample Measurement							
STORET No. 00620 1 Mon. Site No. EFA-1	Permit Measurement			12.0 (Max.)	mg/L as N		Every 2 Weeks	8-hour F.P.
CBOD5	Sample Measurement							
STORET No. 80082 G Mon. Site No. INF-1	Permit Measurement			Report (Mo. Avg.)	mg/L		Every Two Weeks	8-hour F.P.C.
TSS	Sample Measurement							
STORET No. 00530 G Mon. Site No. INF-1	Permit Measurement			Report (Mo. Avg.)	mg/L		Every Two Weeks	8-hour F.P.C.
	Sample Measurement							
	Permit Measurement							

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

When Completed mail this report to: Department of Environmental Protection, Wastewater Facilities Management Section, MS 3551, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME: United Water Florida  
 MAILING ADDRESS: 1400 Millcoe Road  
 Jacksonville, FL 32225-4442

PERMIT NUMBER: FL0117668  
 MONITORING PERIOD From: \_\_\_\_\_  
 LIMIT: Final  
 CLASS SIZE: Minor

To: \_\_\_\_\_  
 REPORT: Monthly  
 GROUP: Domestic

FACILITY: St. Johns North WWTP  
 LOCATION: 2369 Hawcrest Drive East  
 Fruit Cove, FL 32259  
 COUNTY: St. Johns

FACILITY ID: FL0117668  
 GMS ID NO.: 3155P00425  
 DISCHARGE POINT NUMBER: D002  
 PLANT SIZE/TREATMENT TYPE: IIC

WAFR SITE NO.: 27184  
 GMS TEST SITE NO.: 3155X12540

Parameter	Sample Measurement	Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Flow through WWTP	Sample Measurement									
STORET No. 50050 Y Mon. Site No. EFA-1	Permit Measurement	0.225 (An. Avg.)	0.225 (Mo. Avg.)	mgd					5 Days/Week	Flow Meters
CBOD5	Sample Measurement									
STORET No. 80082 Y Mon. Site No. OUT-2	Permit Measurement				20.0 (An. Avg.)		mg/L		Every 2 Weeks	8-hour F.P.C.
CBOD5	Sample Measurement									
STORET No. 80082 I Mon. Site No. OUT-2	Permit Measurement				20.0 (Mo. Avg.)	40.0 (Max.)	mg/L		Every 2 Weeks	8-hour F.P.C.
TSS	Sample Measurement									
STORET No. 00530 I Mon. Site No. EFA-2	Permit Measurement				Report (Mo. Avg.)	5 (Max.)	mg/L		4 Days per Week	Grab
Fecal Coliform Bacteria	Sample Measurement									
STORET No. 31616 Y Mon. Site No. EFA-1	Permit Measurement				200 (An. Avg.)		#/100mL		4 Days per Week	Grab
Fecal Coliform Bacteria	Sample Measurement									
STORET No. 31616 I Mon. Site No. EFA-1	Permit Measurement				Report (Mo. Geo. Mean)	800 (Max.)	#/100mL		4 Days per Week	Grab
PH	Sample Measurement									
STORET No. 00400 I Mon. Site No. OUT-2	Permit Measurement				6.0 Min	7.5 Max	Std. Units		5 Days/Week	Grab

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY NAME: St. Johns North WWTP

PERMIT NUMBER: FL0117668

DISCHARGE POINT NUMBER: D002

WAFR SITE No.: 27184

Parameter		Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
TRC for disinfection	Sample Measurement									
STORET No. 50060 A Mon. Site No. EPA-1	Permit Measurement				1.0 (Min.)		mg/L		5 Days/Week	Grab
TRC for dechlorination	Sample Measurement									
STORET No. 50060 I Mon. Site No. OUT-2	Permit Measurement				0.01 (Max.)		mg/L		Every 2 Weeks	Grab
Nitrogen, Total Ammonia as N	Sample Measurement									
STORET No. 00610 G Mon. Site No. OUT-2	Permit Measurement				2.2 (Ann. Avg.)		mg/L as N		Every 2 Weeks	8-hour F.P.C.
Nitrogen, Total Ammonia as N	Sample Measurement									
STORET No. 00610 I Mon. Site No. OUT-2	Permit Measurement				2.75 (Mo. Avg.)	4.4 (Max.)	mg/L as N		Every 2 Weeks	8-hour F.P.C.
Oxygen, Dissolved (DO)	Sample Measurement									
STORET No. 00300 I Mon. Site No. OUT-2	Permit Measurement				5.0 (Max.)		mg/L		5 Days/Week	Grab
NO3-Nitrogen, Total as N	Sample Measurement									
STORET No. 00620 I Mon. Site No. EPA-1	Permit Measurement				12.0 (Max.)		mg/L as N		Every 2 Weeks	8-hour F.P.C.
	Sample Measurement									
	Permit Measurement									





**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

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PERMITTEE NAME: United Water Florida  
 MAILING ADDRESS: 1400 Millcoe Road  
 Jacksonville, FL 32225-4442

PERMIT NUMBER: FL0117668  
 MONITORING PERIOD From:  
 LIMIT: Final  
 CLASS SIZE: Minor

To: Quarterly  
 REPORT: Domestic  
 GROUP: Quarterly

FACILITY: St. Johns North WWTP  
 LOCATION: 2369 Hawcrest Drive East  
 Fruit Cove, FL 32259  
 COUNTY: St. Johns

FACILITY ID: FL0117668  
 GMS ID NO.: 3155P00425  
 DISCHARGE POINT NUMBER: D001  
 PLANT SIZE/TREATMENT TYPE: IIC

WAFR SITE NO.: 10409  
 GMS TEST SITE NO.: 3155X12540

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Nitrogen, Total as N	Sample Measurement							
STORET No. 00600 Mon. Site No. OUT-1	Permit Measurement			Report (Maximum)	mg/L		Quarterly	8-hour flow proportioned composite
Nitrogen, Organic, Total as N	Sample Measurement							
STORET No. 00605 Mon. Site No. OUT-1	Permit Measurement			Report (Maximum)	mg/L		Quarterly	8-hour flow proportioned composite
Nitrogen, Total Kjeldahl as N	Sample Measurement							
STORET No. 00625 Mon. Site No. OUT-1	Permit Measurement			Report (Maximum)	mg/L		Quarterly	8-hour flow proportioned composite
NO2+NO3, Total 1 DET. as N	Sample Measurement							
STORET No. 00630 Mon. Site No. OUT-1	Permit Measurement			Report (Maximum)	mg/L		Quarterly	8-hour flow proportioned composite
Ammonia, Total as N	Sample Measurement							
STORET No. 00610 Mon. Site No. OUT-1	Permit Measurement			Report (Maximum)	mg/L		Quarterly	8-hour flow proportioned composite
Unionized Ammonia, Total as N	Sample Measurement							
STORET No. 00612 Mon. Site No. OUT-1	Permit Measurement			Report (Maximum)	mg/L		Quarterly	Calculated
Temperature	Sample Measurement							
STORET No. 00010 Mon. Site No. OUT-1	Permit Measurement			Report (Average)	Deg C		Quarterly	Hourly grab during 8-hour composite sample
Phosphorus, Total as P	Sample Measurement							
STORET No. 00665 Mon. Site No. OUT-1	Permit Measurement			Report (Maximum)	mg/L		Quarterly	8-hour flow proportioned composite
Phosphorus in Total Orthophosphate as P	Sample Measurement							
STORET No. 70307 Mon. Site No. OUT-1	Permit Measurement			Report (Maximum)	mg/L		Quarterly	8-hour flow proportioned composite

Florida Department of Environmental Protection  
Domestic Wastewater Facility Permit

FACT SHEET

PERMIT NUMBER: FL0117668  
FACILITY NAME: St. Johns North  
FACILITY LOCATION: Fruit Cove, St. Johns County  
NAME OF PERMITTEE: United Water Florida  
PERMIT WRITER: David J. Bolam, P.E.

1. SYNOPSIS OF APPLICATION

a. Name and Address of Applicant

M. Sambumurthi, Vice President-Manager  
United Water Florida  
1400 Millecoe Road  
Jacksonville, Florida 32225

For:

St. Johns North WWTF  
2369 Hawcrest Drive East  
St. Johns County  
Fruit Cove, FL 32259

b. Type of Facility

Domestic Wastewater Treatment Plant  
Privately-owned treatment works  
Standard Industrial Classification Code: 4952

c. Facility Capacity

Existing Design Capacity:	0.225 MGD AADF
Proposed Increase in Design Capacity:	0.00 MGD AADF
Proposed Total Design Capacity:	0.225 MGD AADF
Existing Permitted Capacity:	0.180 MGD AADF
Proposed Decrease in Permitted Capacity:	-0.135 MGD AADF
Proposed Total Permitted Capacity:	0.045 MGD AADF

d. Description of Effluent or Reclaimed Water Discharges:

Annual Average Daily Flow (MGD): 0.149

pH Range (Standard Units): 6.0 - 8.5

The existing WWTF discharges to six evaporation/percolation ponds with a total permitted capacity of 0.18 MGD. Four of the six ponds are located at the northern site (site of former package WWTF) and the two newest ponds are located at the WWTF site or southern site adjacent to the recently constructed chlorine contact chamber. Reclaimed water seepage from the northern ponds is intercepted by an off-site, french drain that was constructed adjacent to the northern ponds in a road right-of-way. This seepage combines with natural groundwater and stormwater runoff and is discharged through a stormwater outfall pipeline to Big Lige Branch at D001. The french drain was not constructed by the Permittee and is maintained by St. Johns County.

Because of poor percolation rates from the existing northern ponds and expected poor rates from the recently completed southern ponds, underdrain systems for both the northern and southern percolation ponds are proposed for an interim period until a final effluent disposal alternative can be determined and implemented. The underdrain system is expected to increase the design capacity of the percolation ponds to 0.30 MGD. The underdrain system for the northern ponds will discharge directly to an existing catch basin on the french drain and through outfall D001. The proposed underdrain system for the southern ponds will include construction of a new outfall, D002, to Big Lige Branch.

Sampling results from the french drain discharge serve, in part, as the basis for the determination of the interim and final limitations established in the administrative order and permit.

2. PROPOSED EFFLUENT OR RECLAIMED WATER LIMITATIONS

Outfall Serial Numbers D001 and D002 - Final Effluent Limits

Parameters	Effluent or Reclaimed Water Limitations				
	Maximum/Minimum	Annual Average	Monthly Average	Weekly Average	Single Sample
Flow (Combined)	Maximum	0.045	-	-	-
Carbonaceous Biochemical Oxygen Demand (5 day)	Maximum	5.0	6.3	7.5	10.0
Total Suspended Solids	Maximum				5
Fecal Coliform Bacteria	Maximum	See below			
pH	Range	-	-	-	6.0-7.5
Total Residual Chlorine (For Disinfection)	Minimum	-	-	-	1.0
Total Residual Chlorine (For Dechlorination)	Maximum	-	-	-	0.01
Nitrogen, Total Ammonia as N	Maximum	1.2	1.5	1.8	2.4
Oxygen, Dissolved (DO)	Minimum	-	-	-	5.0
NO3-Nitrogen, Total as N	Maximum	-	-	-	12.0

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.

3. 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.

Outfall D001 and D002

Parameter	Basis	Rationale
Carbonaceous Biochemical Oxygen Demand (5 day)	Annual Average	62-650 FAC & 62-600.740(1)(b)2.a. FAC
	Monthly Average	62-600.740(1)(b)2.b. FAC
	Weekly Average	62-600.740(1)(b)2.c. FAC
	Single Sample Max.	62-600.740(1)(b)2.d. FAC
Fecal Coliform Bacteria	Monthly Percentile	62-600.440(5)(f)2. FAC
	Single Sample Max.	62-600.440(5)(f)2. FAC
Flow	Annual Average	62-600.400(3)(b) FAC
Monitoring Frequency and Sample Type	All Parameters	62-601 FAC & 62-699 FAC and/or BPJ of permit writer
Nitrogen, Total Ammonia as N	Annual Average	62-650 FAC
	Monthly Average	62-600.740(1)(b)2.b. FAC
	Weekly Average	62-600.740(1)(b)2.c. FAC
	Single Sample Max.	62-600.740(1)(b)2.d. FAC
NO3-Nitrogen, Total as N	Single Sample Max.	62-610
Oxygen, Dissolved (DO)	Single Sample Max.	62-650 FAC
pH	Minimum and Maximum	62-650 FAC
Sampling Location	All Parameters	62-601 FAC and/or BPJ of permit writer
Total Residual Chlorine (For Dechlorination)	Single Sample Max.	62-660.440(2) FAC & 62-302.530(19) FAC
Total Residual Chlorine (For Disinfection)	Minimum	62-600.440(5)(f) FAC
Total Suspended Solids	Single Sample Max.	62-600.440(5)(f)3. FAC

The Department conducted a Biological Reconnaissance Inspection and a Level 1 Water Quality Based Effluent Limitations (WQBEL) analysis to determine the interim and final limitations for the discharge to Big Lige Branch. Interim limitations are based on the 1Q2 flow (mean) in Big Lige Branch and the final limitations are based on the 7Q10 low flow. WQBELs have been determined for effluent flow, CBOD5, pH, and Total Ammonia Nitrogen. High level disinfection is required due to the proximity of a public supply drinking water well to the southern ponds.

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

Other Limitations and Monitoring Requirements:

Parameter	Basis	Rationale
CBOD5	Monitor & Report	62-601.300(1)FAC
TSS	Monitor & Report	62-601.300(1)FAC
Nutrient Monitoring	Monitor & Report	62-302.530(48), FAC
Stream Monitoring	Monitor & Report	62-4.240(3)(c), FAC
Benthic Monitoring	Monitor & Report	62-302.530(11), FAC

4. RESIDUALS MANAGEMENT

Class of residuals stabilization to be provided: Class B

Proposed method of residuals use or disposal: Land application.

See the table below for the rationale for the Part II.A. residuals limits and monitoring requirements.

Parameter	Basis for Limit/Monitoring Requirement	
Total Nitrogen % dry weight	Report	62-640.700(1)(b) F.A.C.
Total Phosphorus, % dry weight	Report	62-640.700(1)(b) F.A.C.
Total Potassium, % dry weight	Report	62-640.700(1)(b) F.A.C.
Cadmium, mg/kg dry weight	Maximum	62-640.700(2) F.A.C.
Cadmium, pounds/acre/yr	Maximum	62-640.700(2) F.A.C.
Copper	Maximum	62-640.700(2) F.A.C.
Lead, mg/kg dry weight	Maximum	62-640.700(2) F.A.C.
Nickel, mg/kg dry weight	Maximum	62-640.700(2) F.A.C.
Zinc, mg/kg dry weight	Maximum	62-640.700(2) F.A.C.
pH, std. units	Report	62-640.700(1)(b) F.A.C.
Total Solids, %	Report	62-640.700(1)(b) F.A.C.
Nitrogen, lb/ac/yr	Maximum	62-640.700(3)(d) F.A.C.
Cadmium, lb/ac	Cumulative Maximum	62-640.700(3)(e) or (4)(f) F.A.C.
Copper	Cumulative Maximum	62-640.700(3)(e) or (4)(f) F.A.C.
Lead, lb/ac	Cumulative Maximum	62-640.700(3)(e) or (4)(f) F.A.C.
Nickel, lb/ac	Maximum Cumulative	62-640.700(3)(e) or (4)(f) F.A.C.
Zinc, lb/ac	Cumulative Maximum	62-640.700(3)(e) or (4)(f) F.A.C.
Monitoring Frequency	All Parameters	62-640.700(1)(a) F.A.C.

5. INDUSTRIAL PRETREATMENT REQUIREMENTS

There are no industrial pretreatment requirements for this facility.

6. REQUESTED VARIANCES OR ALTERNATIVES TO REQUIRED STANDARDS

Because of the rapid development of the area served by this wastewater treatment facility and the inability of the existing evaporation/percolation ponds to perform as designed, this permit is being issued with an Administrative Order which requires the permittee to develop and implement a long term effluent disposal method. Additionally, construction of a second clarifier and effluent filters authorized under a Department Construction Permit are not complete. Completion of the second clarifier is required to meet the Class I reliability criteria and as a condition for allowing the southern percolation ponds to be placed into service. The AO includes a compliance schedule (discussed below) and interim effluent limits.

7. COMPLIANCE SCHEDULE AND EFFECTIVE DATE OF PROPOSED EFFLUENT OR RECLAIMED WATER LIMITATIONS

This section references the Administrative Order AO 024 NE which provides a detailed compliance schedule and interim limits. The compliance schedule is as follows:

	Implementation Step	Completion Date
1	Complete construction to upgrade facility to meet Class I reliability including installation of proposed secondary clarifier and percolation pond underdrains.	February 19, 1997
2	Submit Certification of Construction Completion Form 62-620.910(12) for Class I reliability upgrade.	March 19, 1997
3	Complete conceptual plans for wastewater system disposal alternative.	October 30, 1996
4	Submit Preliminary Design Report and permit application for wastewater treatment and effluent disposal system improvements.	December 15, 1997
5	Acquire site and begin construction of wastewater treatment and effluent disposal system improvements.	July 1, 1998
6	Place new wastewater treatment and effluent disposal system into service.	December 1, 1999

8. NEW OR EXPANDED DISCHARGES TO SURFACE WATERS; ANTIDEGRADATION REQUIREMENTS

The Permittee provided documentation in support of the application and the proposed project to address the State's antidegradation requirements. Based on the information provided, interim and final effluent limitations were developed for the continued discharge to Big Lige Branch. The antidegradation report adequately demonstrates that the interim and final impacts associated with the proposed project and discharge are in the public interest and that existing water uses will be maintained in Big Lige Branch.

9. GROUNDWATER MONITORING PLAN

The subject facility's ground water monitoring plan was found to satisfy the minimum requirements of section 62-522.600, FAC.

10. EFFECTS OF SURFACE WATER DISCHARGE ON THREATENED OR ENDANGERED SPECIES

The Department does not anticipate adverse impacts on any threatened or endangered species as a result of permit renewal

11. APPLICABLE RULES

The following were used as the basis of the permit limitations/conditions:

- a. FAC refers to various portions of the Florida Administrative Code.

The effective dates of FAC Rule Chapters cited in the table are as follows:

<u>Chapter</u>	<u>Effective Date</u>
62-4	02-02-94
62-302	02-27-95
62-550	09-07-94
62-600	06-08-93
62-601	05-31-93
62-620	11-29-94
62-650	11-27-89
62-699	05-20-92
62-520	04-14-94
62-610	01-09-96
62-640	03-01-91

- b. FS refers to various portions of the Florida Statutes
- c. CFR refers to various portions of the Code of Federal Regulations, Title 40
- d. BPJ refers to Best Professional Judgment

12. DEP CONTACT

Additional information concerning the permit may be obtained during normal business hours from:

David J. Bolam, P.E.  
Permitting Supervisor  
Department of Environmental Protection Northeast District Office District Office  
Florida Dept. of Environmental Protection, 7825 Baymeadows Way, Suite 200B  
Jacksonville, FL 32256 - 7590  
Telephone Number: (904) 448-4330  
Fax Number: (904) 448-4366

13. THE ADMINISTRATIVE RECORD

The administrative record including application, draft permit, fact sheet, public notice (after release), comments received and additional information is available for public inspection during normal business hours at the location specified in item 12.

14. PROPOSED SCHEDULE FOR PERMIT ISSUANCE

Draft permit to Applicant and EPA :	August 19, 1996
Receipt of Applicant Comments:	September 27, 1996
Draft Permit and Public Notice to Applicant:	October 8, 1996
Beginning of Proposed Public Comment Period :	November 7, 1996
End of Proposed Public Comment Period :	December 7, 1996
Notice of Agency Action :	December 11, 1996
Proposed Effective Date of Permit :	December 11, 1996

15. PROCEDURES FOR THE FORMULATION OF FINAL DECISION ON PERMIT ISSUANCE

Public Comment Period

A Notice of Draft Permit and Administrative Order was issued by the Department on October 8, 1996 and the Notice was published in the Financial News & Daily Record on November 7, 1996. No comments were received regarding the proposed agency action nor was a public meeting requested. Proof of publication was received by the Department on November 12, 1996 and is included as part of the Administrative Record.

Administrative Hearing

A person whose substantial interests are affected by the Department's proposed permitting decision has the opportunity to petition for an administrative proceeding (hearing) to challenge the Department's decision in accordance with Section 120.57, F.S.

An administrative hearing is an evidentiary proceeding in which evidence is presented by testimony and exhibits before an independent hearing officer. The result of an administrative hearing is the issuance of the hearing officer's recommended order to the Department, including the hearing officer's findings of fact, based on the evidence presented at the hearing. The Department will issue a final order, granting or denying the permit, based on the hearing officer's recommended order.

The petition for an administrative hearing must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400, within 14 days of publication of notice of agency action or within 14 days of personal receipt of notice of agency action, whichever occurs first. The petitioner is to mail a copy of the petition to the applicant at the time of filing. Failure to file a petition within this time period will constitute a waiver of any right such person may have to request an administrative determination (hearing) under section 120.57, F.S. The petition is to contain the following information:

- 1) The name, address and telephone number of each petitioner, the applicant's name and address, the Department Permit File Number and the county in which the project is proposed;
- 2) A statement of how and when each petitioner received notice of the Department's action or proposed action;
- 3) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action;

- 4) A statement of the material facts which the petitioner contends warrant reversal or modification of the Department's action or proposed action;
- 5) A statement of which rules or statutes petitioner contends require reversal or modification of the Department's action or proposed action; and
- 6) A statement of the relief sought by the petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.

If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in the notice of agency action. Persons whose substantial interests will be affected by any decision of the Department on the application have the right to petition to become a party to the proceeding, regardless of their agreement or disagreement with the Department's proposed action indicated in the notice of agency action.

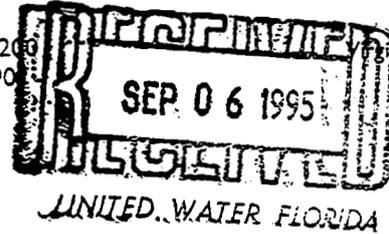


# Department of Environmental Protection

Lawton Chiles  
Governor

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

Virginia B. Wetherell  
Secretary



CERTIFIED MAIL  
August 31, 1995

In the Matter of an Application  
for Permit by:

DEP File No. 275126

Mr. Phillip Heil, Vice President  
Jacksonville Suburban Utilities Corporation  
644 Cesery Boulevard, Suite 108  
Jacksonville, FL 32211

Dear Mr. Heil:

Duval County- Domestic Waste  
St. Johns North WWTP  
Correction to Minor Revision

This in regard to the recent revision to specific conditions 13, 14, 15, 16, and 18 of permit number DO55-194157. This revision was to modify approved residuals land application sites. There was an error made in the rewriting of specific condition 13.e.. The sampling/testing frequency for residual analyses was indicated as "at least once every twelve months." This phrase should have been "at least once every six months." Chapter 62-640, F.A.C. requires that Type II facilities (facilities which have a permitted capacity of greater or equal to 100,000 gallons per day and less than 500,000 gallons per day) sample no less than twice per year. Since the subject wastewater facility has a permitted capacity of 225,000 gallons per day, analyses must be performed at least once every six months. The correct specific condition 13 follows (the change is indicated in bold/italic type):

13. The basic residuals management requirements and the agricultural site requirements for this facility are as follows:

***Basic Management Requirements***

- a. The method of residuals use or disposal by this facility is land application.

- b. Land application of residuals shall be in accordance with the conditions of this permit and the requirements of Chapter 62-640, F.A.C. [62-640, 3-1-91]
- c. The domestic wastewater residuals for this facility are classified as stabilization Class B.
- d.. The wastewater treatment facility permittee shall be responsible for proper handling, use, and disposal of its residuals and will be held responsible for any disposal violations that occur unless the permittee can demonstrate that it has delivered residuals that meet the chemical criteria and appropriate stabilization requirements of this permit and that the disposer (e.g. hauler, contractor, or disposal/land application site owner) has legally agreed in writing to accept responsibility for proper disposal. [62-640.300(3), 3-1-91]
- e. The permittee shall sample and analyze the residuals at least once every six months. All samples shall be representative and shall be taken after final treatment of the residuals but before use or disposal. Sampling and analysis shall be in accordance with the U.S. Environmental Protection Agency publication - POTW Sludge Sampling and Analysis Guidance Document, 1989. The following parameters shall be sampled and analyzed:

Parameter	Maximum Concentration	Maximum Cumulative Loading
Total Nitrogen	(Report only) % dry weight	Not applicable
Total Phosphorus	(Report only) % dry weight	Not applicable
Total Potassium	(Report only) % dry weight	Not applicable
Cadmium	100 mg/kg dry weight	4.4 pounds /acre
Copper	3000 mg/kg dry weight	125 pounds/acre
Lead	1500 mg/kg dry weight	500 pounds/acre
Nickel	500 mg/kg dry weight	125 pounds/acre
Zinc	10,000 mg/kg dry weight	250 pounds/acre
pH	(Report only) standard units	Not applicable
Total Solids	(Report only) %	Not applicable

A copy of the analyses shall be submitted with the discharge monitoring report.

*[62-640.700(1)(a), (b), (e), and (f); (2); 3(e); and (4)(f) and 62-640.500(1)(d), 3-1-91]*

- f. Florida water quality criteria and standards shall not be violated as a result of land application of residuals. *[62-640.700(3)(c), 3-1-91]*

*Agricultural Sites*

- a. Class B residuals shall not be used on unrestricted access areas. *[62-640.600(6)(b), 3-1-91]*
- b. Class B residuals application shall be in accordance with the Agricultural Use Plan approved by the Department for this facility. *[62-640.300(1), 3-1-91]*
- c. Root crops, and fruits and vegetables which touch the soil and which are to be consumed raw shall not be grown on the application site for 18 months after the last application of Class B residuals. *[62-640.600(6)(c), 3-1-91]*
- d. Fruits and vegetables which do not touch the soil and which are to be consumed raw shall not be harvested from the application site for 30 days following the last application of Class B residuals. Orchard tree crops, which do not come in contact with the residuals due to the application method, are exempted. This exemption does not apply to orchard tree crops which have fallen to the ground before harvesting. *[62-640.600(6)(d), 3-1-91]*
- e. Pasture vegetation on the application site shall not be cut or used for grazing by livestock for 30 days following the last application of Class B residuals. *[62-640.600(6)(e), 3-1-91]*
- f. The public shall be restricted from the application area for 12 months after the last application of Class B residuals. *[62-640.600(6)(f), 3-1-91]*
- g. Annual residuals application rates shall not exceed the agronomic rates based on the nitrogen requirements of the site vegetation in accordance with the approved Agricultural Use Plan. *[62-640.700(3)(d), 3-1-91]*
- h. Residuals shall be applied with techniques and equipment to assure uniform application over the site. *[62-640.700(3)(n), 3-1-91]*
- i. The pH of the domestic wastewater residuals soil mixture shall be 6.5 or greater at the time domestic wastewater residuals are applied. At a minimum, testing shall be done annually. *[62-640.700(3)(h), 3-1-91]*
- j. All setbacks distances must be adhered to and must be identifiable to the applier and/or inspector. *[62-640.700(3)]*

If you have any questions concerning this correction, contact Daniel Baker at (904)  
448-4330, extension 343.

Sincerely,



Frank Watkins, Jr., P.E.  
Domestic Waste Section Head

BFW\ DB\mkw

cc: Steve Manis ✓  
Tom Griffis ✓



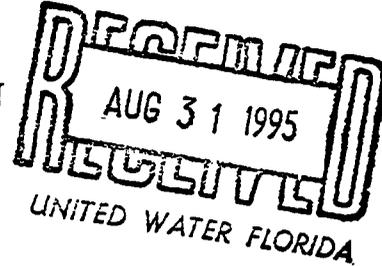
# Department of Environmental Protection

Lawton Chiles  
Governor

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

Virginia B. Wetherell  
Secretary

## NOTICE OF PERMIT REVISION



CERTIFIED MAIL  
August 29, 1995

In the Matter of an Application  
for Permit by:

DEP File No. 275126

Mr. Phillip Heil, Vice President  
Jacksonville Suburban Utilities Corporation  
644 Cesery Boulevard, Suite 108  
Jacksonville, FL 32211

Dear Mr. Heil:

Duval County- Domestic Waste  
St. Johns North WWTP

Enclosed is a revision to Permit Number DO55-194157 to modify approved residuals land application sites issued pursuant to Section(s) 403.087, Florida Statutes. All other portions of this permit remain in effect and are fully enforceable.

Specific Conditions 13, 14, 15, 16, and 18 are hereby modified, to reflect the addition of agricultural sites to be used for land application of residuals from the plant, as follows:

13. The basic residuals management requirements and the agricultural site requirements for this facility are as follows:

### *Basic Management Requirements*

- a. The method of residuals use or disposal by this facility is land application.
- b. Land application of residuals shall be in accordance with the conditions of this permit and the requirements of Chapter 62-640, F.A.C. [62-640, 3-1-91]
- c. The domestic wastewater residuals for this facility are classified as stabilization Class B.

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

- d.. The wastewater treatment facility permittee shall be responsible for proper handling, use, and disposal of its residuals and will be held responsible for any disposal violations that occur unless the permittee can demonstrate that it has delivered residuals that meet the chemical criteria and appropriate stabilization requirements of this permit and that the disposer (e.g. hauler, contractor, or disposal/land application site owner) has legally agreed in writing to accept responsibility for proper disposal. [62-640.300(3), 3-1-91]
- e. The permittee shall sample and analyze the residuals at least once every twelve months. All samples shall be representative and shall be taken after final treatment of the residuals but before use or disposal. Sampling and analysis shall be in accordance with the U.S. Environmental Protection Agency publication - POTW Sludge Sampling and Analysis Guidance Document, 1989. The following parameters shall be sampled and analyzed:

Parameter	Maximum Concentration	Maximum Cumulative Loading
Total Nitrogen	(Report only) % dry weight	Not applicable
Total Phosphorus	(Report only) % dry weight	Not applicable
Total Potassium	(Report only) % dry weight	Not applicable
Cadmium	100 mg/kg dry weight	4.4 pounds /acre
Copper	3000 mg/kg dry weight	125 pounds/acre
Lead	1500 mg/kg dry weight	500 pounds/acre
Nickel	500 mg/kg dry weight	125 pounds/acre
Zinc	10,000 mg/kg dry weight	250 pounds/acre
pH	(Report only) standard units	Not applicable
Total Solids	(Report only) %	Not applicable

A copy of the analyses shall be submitted with the discharge monitoring report.

[62-640.700(1)(a), (b), (e), and (f); (2); 3(e); and (4)(f) and 62-640.500(1)(d), 3-1-91]

- f. Florida water quality criteria and standards shall not be violated as a result of land application of residuals. [62-640.700(3)(c), 3-1-91]

*Agricultural Sites*

- a. Class B residuals shall not be used on unrestricted access areas. [62-640.600(6)(b), 3-1-91]
  - b. Class B residuals application shall be in accordance with the Agricultural Use Plan approved by the Department for this facility. [62-640.300(1), 3-1-91]
  - c. Root crops, and fruits and vegetables which touch the soil and which are to be consumed raw shall not be grown on the application site for 18 months after the last application of Class B residuals. [62-640.600(6)(c), 3-1-91]
  - d. Fruits and vegetables which do not touch the soil and which are to be consumed raw shall not be harvested from the application site for 30 days following the last application of Class B residuals. Orchard tree crops, which do not come in contact with the residuals due to the application method, are exempted. This exemption does not apply to orchard tree crops which have fallen to the ground before harvesting. [62-640.600(6)(d), 3-1-91]
  - e. Pasture vegetation on the application site shall not be cut or used for grazing by livestock for 30 days following the last application of Class B residuals. [62-640.600(6)(e), 3-1-91]
  - f. The public shall be restricted from the application area for 12 months after the last application of Class B residuals. [62-640.600(6)(f), 3-1-91]
  - g. Annual residuals application rates shall not exceed the agronomic rates based on the nitrogen requirements of the site vegetation in accordance with the approved Agricultural Use Plan. [62-640.700(3)(d), 3-1-91]
  - h. Residuals shall be applied with techniques and equipment to assure uniform application over the site. [62-640.700(3)(n), 3-1-91]
  - i. The pH of the domestic wastewater residuals soil mixture shall be 6.5 or greater at the time domestic wastewater residuals are applied. At a minimum, testing shall be done annually. [62-640.700(3)(h), 3-1-91]
  - j. All setbacks distances must be adhered to and must be identifiable to the applier and/or inspector. [62-640.700(3)]
14. The wastewater treatment facility permittee shall notify the Department's Northeast District Office by letter of any modifications or expansions of the approved residuals land application sites. The notice shall be submitted prior to such expansion or modification. Expansions include additional site locations for the permittee's residuals. The letter shall include a site location map and shall state how the modified or expanded residuals land application site will be operated in accordance with all requirements of Chapter 62-640, F.A.C. New or revised Agricultural Use Plans shall be submitted to the Department's Northeast District with the annual updates required by Rule 62-640.500(1)(f), F.A.C. In accordance with the current Agricultural Use Plans, the department allows residuals landspreading on 1000 acres of the Frenz Beaver Street site located in Duval County, Florida, 263 acres of the Higgenbotham site

located in Duval County, Florida, and/or 150 acres of the Kennedy site located in Duval County, Florida . [62-640.300(2), 3-1-91]

15. The agricultural use plans identifying the Frenz Beaver Street (as per agricultural use plan received August 15, 1991), Higgenbotham (as per agricultural use plan received July 12, 1995), and Kennedy (as per agricultural use plan received July 12, 1995) sites are hereby incorporated as a part of this permit. Updates to the Agricultural Use Plan and annual summaries, including copies of the wastewater residuals analysis for that period, shall be submitted, using DER -or- DEP Form 62-640.900(1), to the Department's Northeast District Office by July 1 of each year. The permittee shall provide annual updates to the Agricultural Use Plans; including the following:
  - a. A summary of the total domestic wastewater residuals, nitrogen, and heavy metals applied on an annual basis for each specific area of application within the total application area.
  - b. The heavy metals and nitrogen application rates and the cumulative totals applied by all other wastewater facilities that utilize the same portion of the land application site (as the subject WWTP) for disposal of domestic wastewater residuals for each specific area of application within the total application area.
  - c. The pH of the residuals/soils mixture for the land application site.
  - d. The above specified information shall be current to within forty-five (45) days of the date of submittal.
16. The permittee shall maintain records of application areas and application rates on DEP Form 62-640.900(3) and shall have these records available for inspection upon request by the Department or the appropriate Local Environmental Program. These records shall include:
  - a. Date of application of the residuals,
  - b. Location of the residuals application site,
  - c. Amount of residuals applied or delivered,
  - d. Identification of specific areas of the site where residuals were applied and acreage of that area,
  - e. Method of incorporation of residuals (if any),
  - f. Water table level at time of application, and
  - g. Concentration of nitrogen and heavy metals in the residuals, percent solids, and date of last analysis.

The permittee shall provide annual updates to the Agricultural Use Plan as required by Specific Permit Condition 14. Land application sites which have high water tables (not allowing for two feet of unsaturated soil depth) must monitor and record the water table depth prior to each application of domestic wastewater residuals.

The Department reserves the right to prohibit land application of domestic wastewater residuals if a test analysis (as required by Permit Specific Condition 13.e.), an updated agricultural use plan, or an inspection of the land application site do not provide reasonable assurance of compliance with Chapter 62-640, FAC.

[62-640.700(3)(e) and (p), 3-1-91]

18. In order to conform with USEPA 40 CFR 503 Sludge Regulations, it is anticipated that proposed revisions of Chapter 62-640 FAC will require Class A or Class B stabilization prior to land application of residuals from all domestic wastewater treatment plants. Should this rule become effective, Class A or Class B stabilization shall be required and demonstrated in subsequent Agricultural Use Plan updates. A construction permit will be required for any modification of residuals handling equipment necessary to effect Class A or Class B stabilization.

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

- (a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department Permit File Number and the county in which the project is proposed;
- (b) A statement of how and when each petitioner received notice of the Department's action or proposed action;
- (c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action;
- (d) A statement of the material facts disputed by Petitioner, if any;
- (e) A statement of facts which petitioner contends warrant reversal or modification of the Department's action or proposed action;
- (f) A statement of which rules or statutes petitioner contends require reversal or modification of the Department's action or proposed action; and
- (g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.

If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in

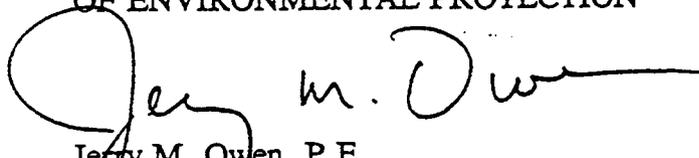
this permit. Persons whose substantial interests will be affected by any decision of the Department with regard to the application have the right to petition to become a party to the proceeding. The petition must conform to the requirements specified above and be filed (received) within 14 days of receipt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

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

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

Executed in Jacksonville, Florida.

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL PROTECTION



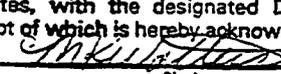
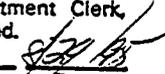
Jerry M. Owen, P.E.  
Water Facilities Administrator

*JB*  
JMO:DJB/DB/mkw

cc: Stephen Manis, P.E. (Jax Suburban)  
Tom Griffis (Jax Suburban)  
Erick Olsen (Sludge Management)

STJOHNSN.REV

FILING AND ACKNOWLEDGEMENT  
FILED, on this date, pursuant to S120.52, Florida  
Statutes, with the designated Department Clerk,  
receipt of which is hereby acknowledged.

  
Clerk  
  
Date



**United Water Florida**  
1400 Millicoe Road  
PO Box 8004  
Jacksonville, FL 32239-8004  
telephone 904 721 4600  
facsimile 904 721 4680

July 21, 1995

Mr. Frank Watkins, Jr., P.E.  
Domestic Wastewater Section  
Florida Department of Environmental Protection  
Northeast District  
7825 Baymeadows Way, Suite B200  
Jacksonville, Florida 32256-7590

Re: Duval County - Domestic Waste  
Holly Oaks WWTP  
San Jose WWTP

Dear Mr. Watkins:

In response to your letter of June 28, 1995, enclosed herewith are Jacksonville Suburban Utilities Corporation (now United Water Florida Inc.) checks number 205220 and 205221 in the amount of \$ 5,000.00 each as the processing fee for the permit applications for referenced facilities.

Should you have any question or require additional information please contact me at 721-4610.

Sincerely,

A handwritten signature in black ink, appearing to read 'S. Manis', is written over a horizontal line.

Stephen Manis, P.E.  
Area Engineer

SVM/



# Department of Environmental Protection

PAT  
PLEASE REEVALUATE  
CHK REQUEST  
FOR ASD.

Lawton Chiles  
Governor

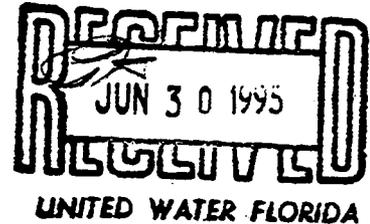
Northeast District  
7825 Baymeadows Way, Suite B200  
Jacksonville, Florida 32256-7590

Virginia B. Wetherell  
Secretary

June 28, 1995

CERTIFIED - RETURN RECEIPT

Mr. Philip Heil, Vice President  
United Water Florida  
Post Office Box 8004  
Jacksonville, Florida 32239



Dear Mr.:

Duval County - Domestic Waste  
Holly Oaks WWTP  
San Jose WWTP  
Request for Permit Processing Fee

On May 1, 1995, the Florida Department of Environmental Protection was approved to administer portions of the U.S. EPA National Pollutant Discharge Elimination System (NPDES) permitting program. At that time, all pending wastewater facility NPDES permit applications were sent to the State for processing and completion. The application for your facility was received by the Northeast District office and in accordance with Chapters 62-4 and 62-620, a permit review and processing fee must be submitted to this office.

Our records indicate these facilities are Type I facilities and the appropriate processing fee is \$5000 per facility. All checks shall be made payable to the Florida Department of Environmental Protection. Receipt of payment is required for further processing of the application and is due no later than July 31, 1995.

If you have any questions concerning this matter, please contact David J. Bolam, P.E. of this office at (904) 448-4330, extension 340.

Sincerely,

Frank Watkins, Jr., P.E.  
Domestic Wastewater Section

BFW/mkw

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

**JACKSONVILLE SUBURBAN UTILITIES CORPORATION**  
A SUBSIDIARY OF GENERAL WATERWORKS CORPORATION

1400 MILLCOE ROAD, P.O. BOX 8004, JACKSONVILLE, FLORIDA 32239,(904) 725-2865

February 1, 1995

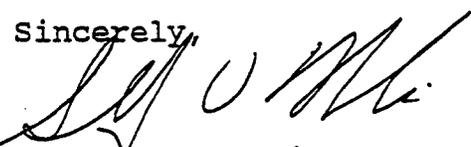
Mr. Steve Solomon  
Regulatory & Environmental Services Department  
421 West Church Street, Suite 412  
Jacksonville, Florida 32202-4111

RE: San Jose WWTF  
Jacksonville Suburban Utilities Corporation

Dear Mr. Solomon:

We are in receipt of the Regulatory and Environmental Services Department Notice of Non-Compliance dated January 12, 1995 for total suspended solids of 24 mg/l at referenced facility. The one time grab maximum TSS effluent limit for the facility is 20 mg/l. This sample was taken while one of the secondary clarifiers was out of service for required maintenance. Maintenance including port cleaning, influent valve replacement and replacement of the underwater conduit with electrical feed to the clarifier drive unit. This work was completed on January 5, 1995. No further upsets were experienced after the December 28, 1994 incident.

Sincerely,



Stephen V. Manis, P.E.  
Area Engineer

SVM/ss

cc: ✓ Philip Heil  
J. A. Dysard, II.  
DEP  
EPA  
Don Hoven  
Tom Cleveland

- Tom Griffin to US...  
Saw  
1/16/95



RECEIVED  
JAN 16 1995  
REGULATORY & ENVIRONMENTAL SERVICES DEPARTMENT  
FLORIDA DISTRICT

CONSOLIDATED CITY OF JACKSONVILLE  
STATE OF FLORIDA

REGULATORY & ENVIRONMENTAL SERVICES DEPARTMENT

WATER QUALITY DIVISION

TowneCentre - Suite 412  
Jacksonville, Florida 32202

421 West Church Street  
Telephone: 630-3666

NOTICE OF NON-COMPLIANCE

ISSUED TO:

Date JANUARY 12, 1995

PHILIP HORN / SANITARIUM  
Person/Facility Name

S. SOLOMON / ENGR. / WQ DIVISION  
Name/Title RESD Representative

PLEASE TAKE NOTICE that the above referenced Wastewater Facility (WWF) was previously issued a Notice to Correct (NTC) and is currently in non-compliance for the items indicated below. This notice is being forwarded to you so that you will be aware of the status of your WWF facility and can take appropriate action. This notice does not initiate enforcement action nor does it negate an existing enforcement action nor does it preclude future enforcement action.

SAMPLE 12/28/94

\_\_\_ Five day Biochemical oxygen demand (BOD<sub>5</sub>)

\_\_\_ Monthly operating reports

Total suspended solids (TSS) = 24 mg / l

\_\_\_ Monitoring with required frequency

\_\_\_ Total Kjeldahl nitrogen (TKN)

\_\_\_ Ultimate oxygen demand

\_\_\_ Nitrate (NO<sub>3</sub>)

\_\_\_ Expired operating permit

\_\_\_ Ammonia Nitrogen (NH<sub>3</sub>)

\_\_\_ Certified operator attendance

\_\_\_ Fecal Coliform

\_\_\_ Dechlorination

\_\_\_ Access

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



# General Waterworks

## Environmental Violation Reporting Form

FAX Immediately Upon Occurrence of Violation  
to Randy Brown, Director of Environmental Compliance  
(610) 278-2993

Company: Jacksonville Suburban Company Site: San Jose WWTF  
 Contact Person For Citation: Tom Griffis

Report Date: \_\_\_\_\_ Date of Abatement: \_\_\_\_\_

Type of Violation:

OSHA _____	SDWA _____	CWA _____	NPDES _____
HAZMAT _____	SARA _____	DOT _____	State Reg <u>X</u>

Specifics of Violation:

Exceedance of TSS limits. Emergency maintenance on 60" dia. Clarifier resulted in violation.

Agency:

Citing Agency: RES D

Contact Person at Citing Agency: Steve Solomon

Address: 421 W. Church St Phone #: 630-3666  
Jax. FL 32202 FAX #: \_\_\_\_\_

Abatement/Corrective Actions Taken:

Repairs made. (see attached report)

CWA=Clean Water Act, DOT =Department of Transportation, HAZMAT =Hazardous Material

Post-it™ Fax Note	7671	Date	<u>1-17-95</u>	# of pages	<u>3</u>
To	<u>Randy Brown</u>	From	<u>Tom Griffis</u>		
Co./Dept.		Co.	<u>JSAC</u>		
Phone #		Phone #	<u>721-4633</u>		
Fax #		Fax #			

To: Steve Manis  
From: Tom Griffis  
Subject: San Jose WWTF  
Date: January 16, 1995

On Wednesday 12-28-94, operators were performing required maintenance on the 60 ft. diameter clarifier. The stilling well ports were partially clogged which was causing RAS flow to overflow from the ports located at the top of the well. This created TSS carryover from the clarifier to the effluent.

While the tank was drained and by-passed, hydraulic overloading occurred in one of the 40 ft. diameter clarifiers. The sludge blanket rose and solids were lost to the effluent chlorine contact chamber. Operators immediately began wasting procedures to drop the blanket level.

Shortly thereafter, Steve Solomon of RESD arrived for a routine site inspection. As part of this inspection he collected an effluent sample. The sample exceeded TSS limits.

Repairs, including port cleaning, influent valve replacement and an electrical repair were completed on January 5, 1995. No further upsets were experienced after the December 28, 1994 incident.



# Department of Environmental Protection

PERMITS FILE  
TOM G. —  
SCOTT T. —  
PAT RADICE —

Lawton Chiles  
Governor

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

RECEIVED  
APR 06 1995  
Virginia E. Wetherell  
Secretary  
FLORIDA DISTRICT

## NOTICE OF PERMIT

CERTIFIED - RETURN RECEIPT  
April 5, 1995

Mr. Philip Heil, Vice President  
United Water fka  
Jacksonville Suburban  
Utilities Corporation  
1400 Millcoe Road  
Jacksonville, Fl 32225

Dear Mr. Heil:

St. Johns County - Domestic Waste  
St. Johns North WWPT

Enclosed is Permit Number DC55 236590 to construct an expansion of the subject wastewater treatment facility, issued pursuant to Section(s) 403.087, Florida Statutes.

The permittee is reminded of the necessity to comply with the pertinent regulations of any other state agency, as well as any county, municipal, and federal regulations applicable to the project. These regulations may include, but are not limited to, those of the Federal Emergency Management Agency in implementing flood control measures. This permit should not be construed to imply compliance with the rules and regulations of other agencies.

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

Executed in Jacksonville, Florida.

Sincerely,

Ernest E. Frey, P.E.  
Director of District Management

EEF/AM/klm  
Attachment

Copies Furnished to: SJRWMD  
David York  
John Davis  
Stephen Manis

FILING AND ACKNOWLEDGEMENT  
FILED, on this date, pursuant to §120.52, Florida Statutes, with the designated Department Clerk receipt of which is hereby acknowledged.  
Rathryn L. Martin 4-5  
Clerk Date

## CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this NOTICE OF PERMIT ISSUANCE and all copies were mailed before the close of business on April 5, 1995 to the listed persons.



# Department of Environmental Protection

Lawton Chiles  
Governor

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

Virginia B. Wetherell  
Secretary

**PERMITTEE:**

Philip Heil, Vice President  
Jacksonville Suburban Utilities  
1400 Millcoe Road  
Jacksonville, Florida 32225

I.D. Number: 3155P00425  
Permit/Cert Number: DC55-236590  
Date of Issue: April 5, 1995  
Expiration Date: August 30, 1996  
County: St. Johns  
Lat/Long: 30°05'30"N/81°36'25"W  
Section/Township/Range: 5/5S/27E  
Project: Expansion of St. Johns North WWTP

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rule(s) 62-301, 62-302, 62-4, 62-600, 62-601, 62-610, 62-640, 62-699, 62-7 and 61E12. The above named Permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the Department and made a part hereof and specifically described as follows:

To construct an expansion of the subject wastewater treatment plant from a design capacity of 0.100 MGD to 0.225 MGD. The permitted capacity is limited to 0.180 MGD due to the constraints of the land application site. The new treatment plant shall consist of the following:

1. Influent pump station with bar screen;
2. Two equally sized aeration basins (112200 gallons total volume);
3. Two final clarifiers, one clarifier in the package treatment unit (530 SF surface area) and one stand alone unit (310 SF surface area).
4. An effluent filter system (two Aquadisk units with three disks per unit);
5. Two chlorine contact chambers designed to meet the high level disinfection criteria (16672 gallons each);
6. Emergency power generation.

The final plant will be operated in the conventional activated sludge mode. The treated reclaimed water shall be land applied in the following matter: The two existing rapid infiltration basins (RIBs) shall have a capacity of 10,000 GPD. The two proposed RIBs at the existing WWTP site shall be rated at 120,000 GPD (10 acres). The two new RIBs at the proposed WWTP site shall be rated at 50,000 GPD (6.14 acres). The total permitted reuse is limited to 180,000 GPD annual average daily flow. Due to setback requirements, high level disinfection and class I equivalent reliability will be provided.

The facility is located off S.R. 13, Cunningham Creek subdivision, Ease of Big Leige Avenue, at 2369 Hawkcrest Drive, St. Johns County, State of Florida.

In accordance with the application received August 24, 1993 and the additional information provided through February 10, 1995.

PERMITTEE:

Philip Heil  
Expansion of St. Johns North WWTP

I.D. Number: 3155P00425  
Permit/Cert Number: DC55-236590  
Date of Issue: April 5, 1995  
Expiration Date: August 30, 1996

GENERAL CONDITIONS:

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

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

PERMITTEE:

Philip Heil  
Expansion of St. Johns North WWTP

I.D. Number: 3155P00425  
Permit/Cert Number: DC55-236590  
Date of Issue: April 5, 1995  
Expiration Date: August 30, 1996

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:
  - a. A description of and cause of noncompliance; and
  - b. The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to educe, eliminate, and prevent recurrence of the noncompliance. The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.
9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Section 403.111 and 403.73, F.S. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.
10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules. A reasonable time for compliance with a new or amended surface water quality standard, other than those standards addressed in Rule 62-302.500, shall include a reasonable time to obtain or be denied a mixing zone for the new or amended standard.
11. This permit is transferable only upon Department approval in accordance with Rule 62-4.120 and 62-730.300 F.A.C., as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.
12. This permit or a copy thereof shall be kept at the work site of the permitted activity.
13. This permit also constitutes:
  - (a) Determination of Best Available Control Technology (BACT)
  - (b) Determination of Prevention of Significant Deterioration (PSD)
  - (c) Certification of compliance with state Water Quality Standards (Section 401, PL 92-500)
  - (d) Compliance with New Source Performance Standards
14. The permittee shall comply with the following:
  - a. Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.

PERMITTEE:

Philip Heil  
Expansion of St. Johns North WWTP

I.D. Number: 3155P00425  
Permit/Cert Number: DC55-236590  
Date of Issue: April 5, 1995  
Expiration Date: August 30, 1996

14. The permittee shall comply with the following:

- a. Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.
- b. The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.
- c. Records of monitoring information shall include:
  - the date, exact place, and time of sampling or measurements;
  - the person responsible for performing the sampling or measurements;
  - the dates analyses were performed;
  - the person responsible for performing the analyses;
  - the analytical techniques or methods used;
  - the results of such analyses.

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

PERMITTEE:

Philip Heil  
Expansion of St. Johns North WWTP

I.D. Number: 3155P00425  
Permit/Cert Number: DC55-236590  
Date of Issue: April 5, 1995  
Expiration Date: August 30, 1996

SPECIFIC CONDITIONS:

1. Waste residuals or other solid wastes shall not be discharged into surface waters either directly or indirectly. These shall be disposed of in a manner approved by the Department.
2. The reclaimed water from this source shall be adequately chlorinated at all times so as to meet the high level disinfection requirements of Rule 62-600.440(5), FAC.
3. The personnel in charge of the operation, supervision, or maintenance of the treatment facilities shall meet the requirements of Chapter 61E12, FAC. Sampling and monitoring of this facility will be in accordance with Chapter 62-601, FAC.
4. Percolation ponds and/or storage ponds shall be enclosed with a fence or otherwise designed with appropriate features to discourage the entry of animals and unauthorized persons (Rule 62-610.518 FAC).
5. Pursuant to Rule 61E12-41.010(e), an operation and maintenance log shall be maintained in a location accessible to 24-hour inspection and current to the last operation and maintenance performed. The log at a minimum shall include identification of the plant; the signature and certification number of the operator; date and time in and out; specific operation and maintenance performed; tests performed and samples taken and major repairs made.
6. The permit holder shall also comply with county, municipal, federal and other state regulations.
7. During the period of operation allowed by this permit, the Permittee shall complete and submit on a monthly basis the monthly operation report [DER Form No. 62-601.900(1)] so as to be received by the Department by the twenty-eighth (28th) day of the month following the month of operation. The test site identification number for this facility to be entered under Part II, item (10) of each report is 3155X12540. Reports shall be submitted on a monthly basis to the Department of Environmental Protection, Northeast District Office, 7825 Baymeadows Way, Suite B-200, Jacksonville, Florida 32256-7590.
8. An Operation and Maintenance Manual for this facility shall be available at the facility for use by operation and maintenance personnel and for inspection by the Department in accordance with Rule 62-600.720, FAC. The operation and maintenance manual shall be updated to include aspects of the modifications to this facility. The updated manual shall be available for inspection by the Department at the time of notification of completion of construction.
9. At the time of notification of completion of the expansion of this facility, an application for the modification of the operation permit shall be submitted to the Department along with the appropriate fee. The modified operation permit shall contain all monitoring and reclaimed water limitation requirements for the expanded facility. In the interim, the requirements of both this construction permit and Operation Permit DO55-194157 must be followed.
10. Field testing, sample collection and preservation, laboratory testing, including quality control procedures, and all record keeping shall comply with Chapter 62-160, FAC. Each reclaimed water parameter has an applicable method detection limit (MDL) and a practical quantitative limit (PQL) as follows:

PERMITTEE:

Philip Heil  
Expansion of St. Johns North WWTP

I.D. Number: 3155P00425  
Permit/Cert Number: DC55-236590  
Date of Issue: April 5, 1995  
Expiration Date: August 30, 1996

ANALYTE	RECOMMENDED MDL	TARGETS PQL	EPA METHOD
Cadmium	3.0	10.0	200.7
Copper	6.0	25.0	200.7
Lead	1.0	2.0	239.2
Nickel	15.0	10.0	200.7
Zinc	2.0	5.0	200.7 or
	5.0	5.0	289.1
Total chlorine			
Residual	10.0	10.0	330.1 or
	200.0	200.0	330.5
Nitrate	100.0	100.0	352.1

Units are microgram per liter  
Equivalent methods are subject to approval by the Department.

11. The Permittee shall provide regular cleaning of the percolation cells including scarification and vegetation removal as necessary to ensure the continued effective operation of the cells. Hydraulic loadings periods of 1-7 days with resting period of 5-14 days to dry the pond bottoms and enable scarification or removal of deposited solids are required. A minimum freeboard of 3 feet shall be provided at all times and in no case shall the freeboard be less than 1 foot from the top of the berm. The Permittee shall provide a plan of corrective action to the Department in the event the freeboard in the pond becomes less than 3 feet from the top of berm or the hydraulic loading/resting period no longer provides for the drying of pond bottoms to enable scarification or removal of deposited solids.
12. In order to conform with USEPA 40 CFR 503 Sludge Regulations, it is anticipated that proposed revisions of Chapter 62-640 FAC will require Class A or Class B stabilization prior to land application of residuals from all domestic wastewater treatment plants. Should this rule revision become effective, Class A or Class B Stabilization shall be required and demonstrated in subsequent Agricultural Use Plan Updates. A construction permit will be required for any modification of residuals handling equipment necessary to effect Class A or Class B Stabilization.
13. According to Chapter 62-699, FAC, this is a Class C, Catagory I treatment process that requires the services of a certified operator (Class C or higher) for 6 hours per day, 5 days per week and one visit on each weekend day.  
  
The new operator attendance requirements shall be effective upon notification of completion of this project as outlined in Specific Condition Number 9 above.
14. The approved cross connection control program shall be followed. This program includes routine inspections and operation and maintenace of backflow prevention devices.
15. The Permittee shall submit to the Department in writing (prior to the expiration of this permit) a request for an extension of this permit pursuant to Rule 62-4.080(3) FAC if additional time is needed to complete the construction of the facility and/or obtain six months of satisfactory operational data to qualify for an operation permit. The Permittee shall apply for an operation permit in accordance with Rule 62-600.730 FAC after the facility has operated in full compliance with Department's regulations for a permitted period of six months.

PERMITTEE:

Philip Heil  
Expansion of St. Johns North WWTP

I.D. Number: 3155P00425  
Permit/Cert Number: DC55-236590  
Date of Issue: April 5, 1995  
Expiration Date: August 30, 1996

16. An annual reclaimed water analysis is required pursuant to Rule 62-601.300(4) FAC, for the primary and secondary drinking water standards contained in Chapter 62-550 FAC, using DER Form 62-601.900(4). During years when an operation permit is not applied for or renewed, a certification stating that no new non-domestic wastewater dischargers have been added to the collection system since the last reclaimed water analysis was conducted may be submitted in lieu of the report.
17. Upon notification of completion of this project and in accordance with Chapter 62-601 FAC, the monitoring requirements and reclaimed water limitations for this plant will be as follows:

PARAMETER	RECLAIMED WATER LIMIT	MINIMUM FREQUENCY	SAMPLE TYPE	SAMPLE LOCATION
Flow (mgd)	0.180 (b)	Continuous	A	Influent or Reclaimed Water
CBOD <sub>5</sub> (mg/L)	(a)	Weekly	C	Influent (c) & Reclaim. Water(d)
NO <sub>3</sub> -N (mg/L)	(a)	Weekly	C	Reclaim. Water(d)
TSS (mg/L)	(a)	4 days/week	Grab	Influent (c) & Reclaim. Water(d)
pH Units	6.0 - 8.5	Continuous (B)	Grab or Meter	Reclaimed Water (d)
Chlorine Residual(mg/L)	Minimum (e)	Continuous (B)	Grab or Meter	Reclaimed Water (d)
Fecal Coliform no./100 (mL)	None Detectable (f)	4 days/week	Grab	Reclaimed Water (d)
Annual Reclaim Water Analysis!	See Specific Condition #18			
Fecal Coliform no./100 (mL)	See Specific Condition #19			

(a)

	ANNUAL	MONTHLY	WEEKLY	ONE TIME MAXIMUM
CBOD <sub>5</sub>	20*	30*	45*	60*
TSS	5**	5**	5**	5**
NO <sub>3</sub> -N	12	12	12	12

\* Rule 62-600.740, FAC

\*\* Rule 62-610.460, FAC

- A. Recording flowmeter and totalizer required.
- B. Hourly measurements during the period of required operator attendance may be substituted for continuous measurement.
- C. 8-hour minimum flow-proportioned composite sample.
- (b) Annual average daily flow shall not exceed value shown.
- (c) Influent samples shall be collected so that they do not contain digester supernatant or returned activated sludge, or any other plant process waters.

PERMITTEE:

Philip Heil  
Expansion of St. Johns North WWTP

I.D. Number: 3155P00425  
Permit/Cert Number: DC55-236590  
Date of Issue: April 5, 1995  
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- (d) Reclaimed water samples shall be collected after final treatment and immediately before discharge to the evaporation/percolation cells.
  - (e) The total residual chlorine content of the reclaimed water at the exit of the chlorine contact chamber shall at all times not be less than 1.0 mg/L.
  - (f) Must meet the high level disinfection criteria for the reclaimed water in which fecal coliform values (per 100 mL of sample) are below detectable limits (Rule 62-600.440(5) FAC.
18. An annual reclaimed water analysis is required pursuant to Rule 62-601.300(4) FAC, for the primary and secondary drinking water standards contained in Chapter 62-550 FAC, using DER Form 62-601.900(4). During years when an operation permit is not applied for or renewed, a certification stating that no new non-domestic wastewater dischargers have been added to the collection system since the last reclaimed water analysis was conducted may be submitted in lieu of the report.
19. The Permittee shall comply with the following ground water monitoring program pursuant to Section 62-522.600, Florida Administrative Codes (F.A.C.):
- a. The zone of discharge extends horizontally 100 feet beyond the margin of the discharge area, or to the property boundary, whichever is less, and vertically to the top of the first confining unit as set forth in Section 62-522.410(2), F.A.C. This will remain in effect unless it becomes necessary to seek a change pursuant to Section 62-522.500(3), F.A.C.
  - b. Facility operations shall not violate the applicable water quality standards or minimum criteria set forth in Sections 62-520.420 and 62-520.400, F.A.C.
  - c. The following sample points are established for ground water monitoring at the wastewater treatment plant site:

<u>MONITOR WELL</u>	<u>WELL TYPE</u>	<u>TESTSITE ID NO.</u>	<u>LOCATION</u>
MW-1B	Background	3155A14510	Along southern property line, approx. 200' west from the SW corner of west pond.
MW-1	Intermediate	3155A14511	→ Existing well; located between the west pond and the new pond, approx. 200' north from monitor well MW-1B.
MW-2	Compliance	3155A14512	Along Big Lige Branch, off the NW corner of the new pond.
MW-3	Compliance	3155A14513	Along Big Lige Branch, off the SW corner of the new pond.
MW-4	Compliance	3155A14514	Along south side of Flora Branch Blvd., approx. 100' west from the west pond.

PERMITTEE:

Philip Heil  
Expansion of St. Johns North WWTP

I.D. Number: 3155P00425  
Permit/Cert Number: DC55-236590  
Date of Issue: April 5, 1995  
Expiration Date: August 30, 1996

MW-5	Compliance	3155A14515	Along south side of Flora Branch Blvd., midway along the northern margin of the west pond.
MW-6	Compliance	3155A14516	At eastern property line, midway along the east pond margin.

d. The following sample points are established for ground water monitoring at the water treatment plant site:

<u>MONITOR WELL</u>	<u>WELL TYPE</u>	<u>TESTSITE ID NO.</u>	<u>LOCATION</u>
BW-1B	Background	3155A14517	Approx. middle of potable water treatment plant site.
CW-2	Compliance	3155A14518	Along Big Lige Branch, approx. midway and 75' out from the margin of land application.
CW-3	Compliance	3155A14519	At southern property line, approx. midway and 50' out from the margin of land application.
CW-4	Compliance	3155A14520	At eastern property line, approx. midway and 50' out from the margin of land application.

e. All monitor wells described above shall be installed within 45 days of permit issuance.

f. Monitor wells shall be installed by a Florida licensed water well contractor. Well design, installation and development shall be in accordance with A.S.T.M. standard D-5092 "Standard Practice for Design and Installation of Monitoring Wells in Aquifers", with screen intervals limited to 10 feet unless otherwise approved by the Department. All monitor wells are to be permanently labeled as to identity and top-of-casing elevation.

g. Within 30 days of any monitor well installation, the Permittee shall complete and submit a Monitor Well Completion Report, DEP Form 62-522.900(3).

h. In the event that a monitor well is damaged, the Permittee shall submit a written report describing both the damage and proposed corrective measures. Approval shall be obtained from the Department prior to repair or replacement of any monitor well.

i. Within 60 days of permit issuance, any piezometer or monitor well not required for ground water monitoring, and with no expectation of future use, shall be abandoned in a manner approved by the local Water Management District.

PERMITTEE:

Philip Heil  
Expansion of St. Johns North WWTP

I.D. Number: 3155P00425  
Permit/Cert Number: DC55-236590  
Date of Issue: April 5, 1995  
Expiration Date: August 30, 1996

- j. Within 90 days of permit issuance, the Permittee shall submit a scaled drawing which depicts the location of monitor wells in relation to property lines, facility structures, roads, etc. The drawing shall include the identity of each monitor well, along with the latitude, longitude and top-of-casing elevation. The survey shall be made by a Florida Registered Surveyor and shall be revised within 45 days of any new monitor well construction.
- k. All monitor wells shall have an initial analysis conducted within 90 days of permit issuance for the following parameters:

Primary Inorganics (62-550.310 F.A.C.)  
 Secondary Standards (62-550.320 F.A.C.)  
 Organic Analytes of EPA Methods 601 and 602

- l. All wells established by permit for ground water monitoring shall be sampled and analyzed each calendar quarter for the following parameters. Additional samples, wells and parameters may be required based upon subsequent analyses.

<u>STORET</u> <u>CODE</u>	<u>PARAMETER</u>	<u>UNIT OF</u> <u>MEASURE</u>	<u>STORET</u> <u>CODE</u>	<u>PARAMETER</u>	<u>UNIT OF</u> <u>MEASURE</u>
082545	Water Elevation	ft	000403	pH	S.U.
000094	Sp. Conductance	µmhos	031616	Fecal Coliform	#/100
000630	Nitrate + Nitrite	mg/l	070304	Total Diss. Solids	mg/l
000945	Sulfate	mg/l	000940	Chloride	mg/l
082078	Turbidity	NTU	900211	Chromium	mg/l
900208	Arsenic	mg/l	900212	Lead	mg/l
900210	Cadmium	mg/l			

- m. Ground water sampling and analytical reporting shall be in accordance with the following schedule:

<u>Sample Period</u>	<u>Report Due</u>
1st Quarter (January-March)	April 28th
2nd Quarter (April-June)	July 28th
3rd Quarter (July-September)	October 28th
4th Quarter (October-December)	January 28th

- n. All ground water analyses shall be reported on DEP Form 62-522.900(2), or a facsimile thereof. A copy of the laboratory analysis report is to accompany the completed monitoring report form.
- o. Static water elevations shall be recorded for each monitor well prior to purging the well for sample collection, with all measurements referenced to NGVD at a precision of ±0.01 foot.

PERMITTEE:

Philip Heil  
Expansion of St. Johns North WWTP

I.D. Number: 3155P00425  
Permit/Cert Number: DC55-236590  
Date of Issue: April 5, 1995  
Expiration Date: August 30, 1996

p. All submittals pertaining to ground water monitoring shall be sent to:

Florida Department of Environmental Protection  
Northeast District Office  
Ground Water Section  
7825 Baymeadows Way, Suite B200  
Jacksonville, Florida 32256-7577

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL PROTECTION



Ernest E. Frey, P.E.  
Director of District Management

FILING AND ACKNOWLEDGEMENT

FILED, on this date, pursuant to S120.52 Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

Kathryn L. Norton 4-5-95  
Clerk Date

*BPW*  
*JM*



# Department of Environmental Protection

Sm

Lawton Chiles  
Governor

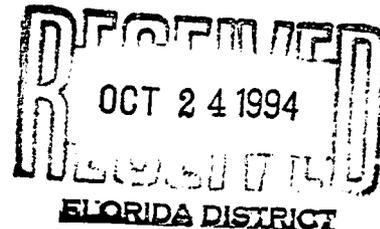
Northeast District  
7825 Baymeadows Way, Suite B200  
Jacksonville, Florida 32256-7590

Virginia B. Wetherell  
Secretary

## NOTICE OF PERMIT ISSUANCE

CERTIFIED-RETURN RECEIPT  
October 17, 1994

Mr. Philip Heil, Vice President  
Jacksonville Suburban Utilities  
1400 Millcoe Road  
Jacksonville, Florida 32225



Dear Mr. Heil:

St. Johns County - Domestic Waste  
St. Johns North Master Pump Station  
(St. Johns North)

Enclosed is Permit Number CS55-258712 to construct the subject collection/transmission system, issued pursuant to Section(s) 403.087, Florida Statutes (F.S.).

The Permittee is reminded of the necessity to comply with the pertinent regulations of any other State agency, as well as any County, Municipal, and Federal regulations applicable to the project. These regulations may include, but are not limited to, those of the Federal Emergency Management Agency in implementing flood control measures. This permit should not be construed to imply compliance with the regulations of other agencies.

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

The Petition shall contain the following information;

- (a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department Permit File Number and the county in which the project is proposed;
- (b) A statement of how and when each petitioner received notice of the Department's action or proposed action;
- (c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action;
- (d) A statement of the material facts disputed by Petitioner, if any;
- (e) A statement of facts which petitioner contends warrant reversal or modification of the Department's action or proposed action;
- (f) A statement of which rules or statutes petitioner contends require reversal or modification of the Department's action or proposed action; and
- (g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.

St. Johns North Master Pump Station  
Page Two  
Permit No. CS55-258712

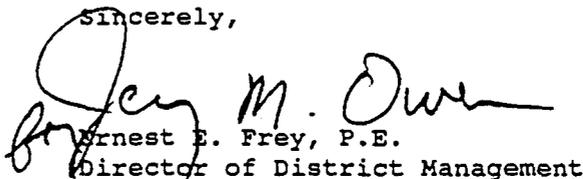
If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this permit. Persons whose substantial interests will be affected by any decision of the Department with regard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

This permit is final and effective on the date filed with the Clerk of the Department unless a petition is filed in accordance with the above paragraphs or unless a request for extension of time in which to file a petition is filed within the time specified for filing a petition and conforms to Rule 17-103.070, FAC. Upon timely filing of a petition or a request for an extension of time this permit will not be effective until further Order of the Department.

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

Executed in Jacksonville, Florida.

Sincerely,

  
Ernest E. Frey, P.E.  
Director of District Management

EFW  
DJB  
EEF:EH/jf  
Attachment

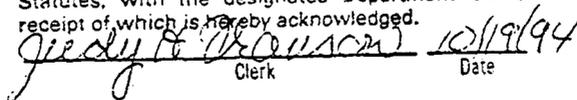
cc: Stephen V. Manis, P.E. ✓  
St. Johns County Public Health Unit

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this NOTICE OF PERMIT ISSUANCE and all copies were mailed before the close of business on October 19, 1994 to the listed persons.

FILING AND ACKNOWLEDGEMENT

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

  
Clerk Date 10/19/94



# Department of Environmental Protection

Lawton Chiles  
Governor

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

Virginia B. Wetherell  
Secretary

**PERMITTEE:**

Mr. Philip Heil, Vice President  
Jacksonville Suburban Utilities  
1400 Millcoe Road  
Jacksonville, Florida 32225

I.D. Number: 3155P00425  
Permit/Cert Number: CS55-258712  
Date of Issue: October 17, 1994  
Expiration Date: October 17, 1996  
County: St. Johns  
Lat/Long: 30°05'30"N/81°36'25"W  
Section/Township/Range: 5/5S/27E  
Project: St. Johns North  
Master Pump Station

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rule(s) 62-4, 62-600, and 62-604. The above named Permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the Department and made a part hereof and specifically described as follows:

To construct a master pump station to serve the future St. Johns North WWTP. The pump station will be temporarily utilized as a transfer station between Hawcrest Woods Subdivision and the existing wastewater treatment plant. The project consists of a 2470 LF 12" PVC force main, 156 LF 12" PVC force main, two manholes, 298 LF of 15" PVC gravity sewer and the pump station.

Located on Hawkcrest Drive, near Fruit Cove, St. Johns County, Florida.

In accordance with application received October 5, 1994.

PERMITTEE:

St. Johns North  
Master Pump Station

I.D. Number: 3155P00425  
Permit Number: CS55-258712  
Date of Issue: October 17, 1994  
Expiration Date: October 17, 1996

GENERAL CONDITIONS:

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

PERMITTEE:

St. Johns North  
Master Pump Station

I.D. Number: 3155P00425  
Permit Number: CS55-258712  
Date of Issue: October 17, 1994  
Expiration Date: October 17, 1996

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

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

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:
  - a. A description of and cause of noncompliance; and
  - b. The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to educe, eliminate, and prevent recurrence of the noncompliance. The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.
9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Section 403.111 and 403.73, F.S. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.
10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules. A reasonable time for compliance with a new or amended surface water quality standard, other than those standards addressed in Rule 62-302.500, shall include a reasonable time to obtain or be denied a mixing zone for the new or amended standard.
11. This permit is transferable only upon Department approval in accordance with Rule 62-4.120 and 62-730.300 F.A.C., as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.
12. This permit or a copy thereof shall be kept at the work site of the permitted activity.

PERMITTEE:

St. Johns North  
Master Pump Station

I.D. Number: 3155P00425  
Permit Number: CS55-258712  
Date of Issue: October 17, 1994  
Expiration Date: October 17, 1996

13. This permit also constitutes:

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

14. The permittee shall comply with the following:

- a. Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.
- b. The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.
- c. Records of monitoring information shall include:
  - the date, exact place, and time of sampling or measurements;
  - the person responsible for performing the sampling or measurements;
  - the dates analyses were performed;
  - the person responsible for performing the analyses;
  - the analytical techniques or methods used;
  - the results of such analyses.

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

PERMITTEE:

St. Johns North  
Master Pump Station

I.D. Number: 3155P00425  
Permit Number: CS55-258712  
Date of Issue: October 17, 1994  
Expiration Date: October 17, 1996

SPECIFIC CONDITIONS:

1. A collection/transmission system addressed under Section 62-604.400, FAC, shall not be placed into operation without prior approval of the Department. A "Certificate of Completion of Construction", DER Form 62-604.900(2) (6/1/92), shall be submitted for Department approval along with the record drawings by an engineer.
2. The collection/transmission system shall be operated and maintained so as to provide uninterrupted service as required by Section 62-604.400, FAC.
3. All equipment necessary for the collection/transmission of domestic wastewater, including equipment provided pursuant to Rule 62-604.400(2), FAC, shall be maintained so as to function as intended. In the event odor, noise or lighting adversely affect neighboring developed areas at levels prohibited by Rule 62-604.400(2)(c), FAC, corrective action (which may include modifications of the collection/transmission system) shall be taken by the Permittee. Other corrective action may be required to ensure compliance with rules of the Department.
4. Copies of record drawings pursuant to Rule 62-604.600(2)(d), FAC, and the approved operation and maintenance manual pursuant to Rule 62-604.600(2)(f), FAC, shall be kept available at a site acceptable to the Department for use by operation and maintenance personnel and for inspection by Department personnel.

FILING AND ACKNOWLEDGEMENT  
FILED on this date, pursuant to S120.52, Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

Judy A. Brown Clerk      10/19/94 Date

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL PROTECTION

Ernest E. Frey, P.E.  
Director of District Management



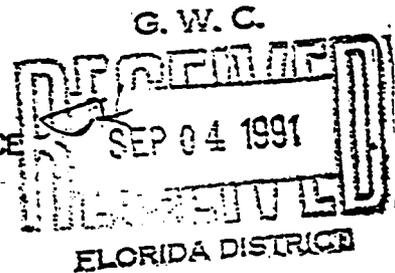
# Florida Department of Environmental Regulation

Northeast District • Suite B200, 7825 Baymeadows Way • Jacksonville, Florida 32256-7577

Lawton Chiles, Governor

Carol M. Browner, Secretary

NOTICE OF PERMIT ISSUANCE



CERTIFIED-RETURN RECEIPT  
August 30, 1991

Mr. Philip Heil, Vice President  
Jacksonville Suburban Utilities  
644 Cesery Boulevard, Suite 108  
Jacksonville, Florida 32211

Dear Mr. Heil:

St. Johns County - Domestic Waste  
St. Johns North WWTF

Enclosed is Permit Number D055-194157 to operate the subject sewage treatment facility, issued pursuant to Section(s) 403.087, Florida Statutes (F.S.).

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

The Petition shall contain the following information;

- (a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department Permit File Number and the county in which the project is proposed;
- (b) A statement of how and when each petitioner received notice of the Department's action or proposed action;
- (c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action;
- (d) A statement of the material facts disputed by Petitioner, if any;
- (e) A statement of facts which petitioner contends warrant reversal or modification of the Department's action or proposed action;
- (f) A statement of which rules or statutes petitioner contends require reversal or modification of the Department's action or proposed action; and
- (g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.

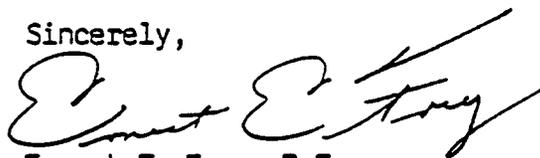
If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this permit. Persons whose substantial interests will be affected by any decision of the Department with regard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

This permit is final and effective on the date filed with the Clerk of the Department unless a petition is filed in accordance with the above paragraphs or unless a request for extension of time in which to file a petition is filed within the time specified for filing a petition and conforms to Rule 17-103.070, FAC. Upon timely filing of a petition or a request for an extension of time this permit will not be effective until further Order of the Department.

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

Executed in Jacksonville, Florida.

Sincerely,



Ernest E. Frey, P.E.  
Director of District Management

*KK*  
EEF:KK/jf  
Attachment

Copies furnished to: George J. Flegal, P.E.  
St. Johns County Public Health Unit

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this NOTICE OF PERMIT ISSUANCE and all copies were mailed by certified mail before the close of business on September 3, 1991 to the listed persons.

FILING AND ACKNOWLEDGEMENT

FILED, on this date, pursuant to S120.52, Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

Judy B. Hamilton 9/3/91  
Clerk Date



# Florida Department of Environmental Regulation

Northeast District • Suite B200, 7825 Baymeadows Way • Jacksonville, Florida 32256-7577

Lawton Chiles, Governor

Carol M. Browner, Secretary

## PERMITTEE:

Mr. Philip Heil, Vice President  
Jacksonville Suburban Utilities  
644 Cesery Boulevard, Suite 108  
Jacksonville, Florida 32211

I.D. Number: 3155P00425  
Permit/Cert Number: D055-194157  
Date of Issue: August 30, 1991  
Expiration Date: August 30, 1996  
County: St. Johns  
Lat/Long: 30°5'30"N/81°36'25"W  
Section/Township/Range: 5/5S/27E  
Project: St. Johns North WWTF

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rule(s) 17-4, 17-7, 17-301, 17-302, 17-600, 17-601, 17-602, 17-610 and 17-640. The above named Permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the Department and made a part hereof and specifically described as follows:

To operate a 0.10 mgd conventional aeration activated sludge wastewater treatment facility with chlorinated reclaimed water discharged to two (2) percolation/evaporation ponds and no discharge to surface waters.

This facility is located 1000 feet east of Big Leige Avenue off State Road 13, Fruit Cove, ST. Johns County, Florida.

In accordance with application received March 22, 1991, and additional information received on August 15, 1991.

PERMITTEE:

Mr. Philip Heil  
St. Johns North WWTF

I.D. Number: 3155P00425  
Permit Number: D055-194157  
Date of Issue: August 30, 1991  
Expiration Date: August 30, 1996

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions" and as such are binding upon the permittee and enforceable pursuant to the authority of Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is hereby placed on notice that the department will review this permit periodically and may initiate enforcement action for any violation of the "Permit Conditions" by the permittee, its agents, employees, servants, or representatives.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the department.
3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Nor does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations. This permit does not constitute a waiver of or approval of any other department permit that may be required for other aspects of the total project which are not addressed in the permit.
4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgement of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the state. Only the Trustees of the Internal Improvement Trust Fund may express state opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, plant or aquatic life or property and penalties therefore 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.
6. The permittee shall at all times properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by department rules.
7. The permittee, by accepting this permit, specifically agrees to allow authorized department personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:

PERMITTEE:

Mr. Philip Heil  
St. Johns North WWTF

I.D. Number: 3155P00425  
Permit Number: D055-194157  
Date of Issue: August 30, 1991  
Expiration Date: August 30, 1996

- a. Having access to and copying any records that must be kept under the conditions of the permit;
- b. Inspecting the facility, equipment, practices, or operations regulated or required under this permit; and
- c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or department rules.

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

8. If, for any reason, the permittee does not comply with, or will be unable to comply with, any condition or limitation specified in this permit, the permittee shall immediately notify and provide the department with the following information:
  - a. A description of and cause of non-compliance; and
  - b. the period of non-compliance, including exact dates and times; or, if not corrected, the anticipated time the non-compliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the non-compliance.

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the department for penalties or revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source, which are submitted to the department, may be used by the department as evidence in any enforcement case arising under the Florida Statutes or department rules, except where such use is proscribed by Sections 403.73 and 403.111, Florida Statutes.
10. The permittee agrees to comply with changes in department rules and Florida Statutes after a reasonable time for compliance, provided however, the permittee does not waive any other rights granted by Florida Statutes or department rules.
11. This permit is transferable only upon department approval in accordance with Florida Administrative Code Rules 17-4.12 and 17-30.30, as applicable. The permittee shall be liable for any noncompliance of the permitted activity until the transfer is approved by the department.
12. This permit is required to be kept at the work site of the permitted activity during the entire period of construction or operation.

PERMITTEE:

Mr. Philip Heil  
St. Johns North WWTF -

I.D. Number: 3155P00425  
Permit Number: D055-194157  
Date of Issue: August 30, 1991  
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13. This permit also constitutes:

- ( ) Determination of Best Available Control Technology (BACT)
- ( ) Determination of Prevention of Significant Deterioration (PSD)
- ( ) Certification of Compliance with State Water Quality Standards
- ( ) (Section 401, PL 92-500)
- ( ) Compliance with New Source Performance Standards

14. The permittee shall comply with the following monitoring and record keeping requirements:

- a. Upon request, the permittee shall furnish all records and plans required under department rules. The retention period for all records will be extended automatically, unless otherwise stipulated by the department, during the course of any unresolved enforcement action.
- b. The permittee shall retain at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation), copies of all reports required by this permit, and records of all data used to complete the application for this permit. The time period of retention shall be at least three years from the date of the sample, measurement, report or application unless otherwise specified by department rule.
- c. Records of monitoring information shall include:
  - the date, exact place, and time of sampling or measurements;
  - the person responsible for performing the sampling or measurements;
  - the date(s) analyses were performed;
  - the person responsible for performing the analyses;
  - the analytical techniques or methods used; and
  - the results of such analyses.

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

PERMITTEE:

Mr. Philip Heil  
St. Johns North WWTF

I.D. Number: 3155P004425  
Permit Number: D055-194157  
Date of Issue: August 30, 1991  
Expiration Date: August 30, 1996

SPECIFIC CONDITIONS:

1. Waste residuals or other solid wastes shall not be discharged into surface waters either directly or indirectly. These shall be disposed of in a manner approved by the Department.
2. The effluent from this source shall be adequately chlorinated at all times so as to meet the disinfection requirements of Rule 17-600.440 (4), FAC.
3. The personnel in charge of the operation, supervision, or maintenance of the treatment facilities shall meet the requirements of Chapter 17-602, FAC. Sampling and monitoring of this facility will be in accordance with Chapter 17-601, FAC.
4. The discharge authorized by this permit shall be consistent at all times with the water quality standards set forth in Chapters 17-301 and 17-302, FAC.
5. No additional connections shall be made to this facility without prior approval of this agency.
6. The permit holder shall also comply with county, municipal, federal and other state regulations.
7. During the period of operation allowed by this permit, the Permittee shall complete and submit on a monthly basis the monthly operation report [DER Form No. 17-601.900(1)] so as to be received by the Department by the twenty-eighth (28th) day of the month following the month of operation. The test site identification number for this facility to be entered under Part II, item (10) of each report is 3155X12540. Reports shall be submitted on a monthly basis to the Department of Environmental Regulation, Northeast District Office, 7825 Baymeadows Way, Suite B-200, Jacksonville, Florida 32256-7577.
8. An Operation and Maintenance Manual for this facility shall be available at the facility for use by operation and maintenance personnel and for inspection by the Department in accordance with Rule 17-600.720, FAC.
9. A copy of these permit conditions shall be forwarded by the Permittee to the lead operator and/or the utility company who is charged to maintain and operate this facility, if other than the owner, so as to comply with General Condition No. 12 above.
10. Appropriate warning signs shall be posted around the site boundaries to designate the nature of the project area.
11. Prior to sixty (60) days before the expiration of this Permit, the permittee shall apply for a renewal of the permit on forms and in a manner prescribed by the Department, Section 17-4.09, FAC.

PERMITTEE:

Mr. Philip Heil  
St. Johns North WWTF

I.D. Number: 3155P004425  
Permit Number: D055-194157  
Date of Issue: August 30, 1991  
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12. The monitoring requirements and effluent limitations for this plant are as follows:

PARAMETER	ANNUAL AVERAGE	MINIMUM FREQUENCY	SAMPLE TYPE	SAMPLE LOCATION
Flow (mgd)	0.10	Daily, 5/week	Flow meter, totalizer	Influent or Effluent
CBOD <sub>5</sub> (mg/l)	20	Every two weeks	Grab	Influent (a) and Effluent (b)
*TSS (mg/l)	20	Every two weeks	Grab	Influent (a) and Effluent (b)
NO <sub>3</sub> -N (mg/l)	12	Every two weeks	Grab	Effluent (b)
pH Units	6.0 - 8.5	Daily, 5/week	Grab	Effluent (b)
Chlorine Residual (mg/l)	0.5 Minimum	Daily, 5/week	Grab	Effluent (b)
Fecal Coliform (no./100 ml)	200 (c)	Every two weeks	Grab	Effluent (b)

	ANNUAL	MONTHLY	WEEKLY	ONE TIME MAXIMUM
BOD <sub>5</sub>	20	30*	45*	60*
TSS	20	30*	45*	60*
NO <sub>3</sub> -N	12	15*	18*	24*

\*\* Rule 17-600.740, FAC

- (a) Influent samples shall be collected so that they do not contain digester supernatant or returned activated sludge, or any other plant process waters.
- (b) Effluent samples shall be collected after final treatment and immediately before discharge to the percolation/evaporation ponds.
- (c) The arithmetic mean of the monthly fecal coliform values shall not exceed 200 per 100 ml. Any one sample shall not exceed 800 fecal coliform values per 100 ml.

13. The Domestic wastewater residuals generated by the facility which meet Class C Stabilization Standards and the chemical criteria of Rule 17-640.700(3), FAC shall be disposed of at the Frenz Beaver Street residuals land application site in accordance with the provisions of Chapter 17-640 FAC and the Agricultural Use Plan for the site received August 15, 1991, and hereby incorporated as part of this permit. The residuals shall be sampled after final treatment in accordance with Rule 17-640.700(1)(e) and (f), FAC, but prior to utilization or disposal for the parameters listed below every 12 months. A copy of the analyses shall be submitted with the monthly operation report for the following parameters:

PERMITTEE:

Mr. Philip Heil  
St. Johns North WWTF

I.D. Number: 3155P004425  
Permit Number: D055-194157  
Date of Issue: August 30, 1991  
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Total Nitrogen	-	%	dry weight
Total Phosphorus	-	%	dry weight
Total Potassium	-	%	dry weight
Total Solids	-	%	dry weight
Cadmium	-	mg/kg	- dry weight
Copper	-	mg/kg	- dry weight
Lead	-	mg/kg	- dry weight
Nickel	-	mg/kg	- dry weight
Zinc	-	mg/kg	- dry weight
pH	-		- dry weight

14. The wastewater treatment facility permittee shall notify the Department by letter prior to any expansion or modification of the approved land application residuals site.
15. Pursuant to Rule 17-640.500(1)(f) FAC, the Agricultural Use Plan shall be updated and submitted to the Department annually beginning one year from the date of permit issuance. The pH of the residuals soil mixture and a summary of the total domestic wastewater residuals, nitrogen, and heavy metals applied on an annual basis shall be submitted with the annual update to the Agricultural Use Plan.
16. Records of the domestic wastewater residuals application areas and application rates shall be maintained by the wastewater treatment facility permittee and must be available for inspection upon request by the Department, or the appropriate Local Environmental Program. Records shall be kept on an appropriate Department form or by an approved method which provides equivalent detail. These records shall include:
  - a. Date of application of the domestic wastewater residuals,
  - b. Location of the residuals application site,
  - c. Amount of domestic wastewater residuals applied or delivered,
  - d. Identification of specific areas of the site where domestic wastewater residuals were applied and acreage of that area,
  - e. Method of incorporation of residuals (if any),
  - f. Water table level at time of application, and
  - g. Concentration of nitrogen and heavy metals in the domestic wastewater residuals, solids, and date of last analysis.
17. The Permittee will ensure that the wastewater treatment facility aerobic digester shall have sufficient storage capacity to provide a minimum 15 day solids retention time for wastewater treatment flows up to 0.10 mgd.
18. Domestic wastewater residuals generated by this facility which do not meet the minimum Class C Stabilization Standards and the chemical criteria of Rule 17-640.700(2), FAC shall not be disposed of by land application and shall be disposed of in an approved DER landfill, by co-composting with solid waste or by incineration in accordance with the provisions of Rule 17-640 FAC.
19. All applications to renew operation permits shall include a detailed operation and maintenance performance report as described in Rule 17-600.735 FAC.

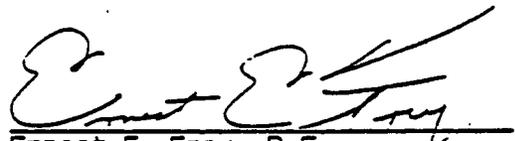
PERMITTEE:

Mr. Philip Heil  
St. Johns North WWTF

I.D. Number: 3155P004425  
Permit Number: D055-194157  
Date of Issue: August 30, 1991  
Expiration Date: August 30, 1996

20. The Permittee shall within thirty (30) days of the permit issue date, submit to the Department a capacity analysis report pursuant to Rule 17-600.405 FAC.
21. The Permittee shall have in place and initiate a Department approved ground water monitoring plan for the facility pursuant to Rule 17-28.700(6) FAC when the facility achieves a 30-day average flow of 0.10 mgd.
22. According to Chapter 17-602, FAC, this is a Class C, Level III treatment process that requires the services of a certified operator (Class C or higher) 0.5 hour per day for 5 days per week and a weekend visit.

04RS  
STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL REGULATION

  
Ernest E. Frey, P.E.  
Director of District Management



# Department of Environmental Protection

cc MACKLEY  
GRIPPS  
file

Lawton Chiles  
Governor

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

**RECEIVED**

Virginia B. Wetherell  
Secretary

DEC 2 1997

December 12, 1997

UNITED WATER FLORIDA

CERTIFIED MAIL -- RETURN RECEIPT

In the Matter of an Application  
for Permit Transfer by:

Munipalli Sambamurthi,  
Vice President  
United Water Florida, Inc.  
1400 Millcoe Road  
Jacksonville, Florida 32239-8004

DEP Project No. FLA011679-001  
Nassau County  
Nassau, Inc. WWTF

*file - FDHP Permit for  
Sunray - Nassau Co. Gordon  
FOR YOUR INFO  
TJW*

## NOTICE OF PERMIT TRANSFER

This notice serves as a revision to Permit Number FLA011679 to transfer the permit from Sunray Utilities to United Water Florida, Inc. issued under section(s) 403.087 of the Florida Statutes.

The Department's proposed agency action shall become final unless a timely petition for an administrative hearing is filed under sections 120.569 and 120.57 of the Florida Statutes before the deadline for filing a petition. The procedures for petitioning for a hearing are set forth below.

A person whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative proceeding (hearing) under sections 120.569 and 120.57 of the Florida Statutes. The petition must contain the information set forth below and must be filed (received by the clerk) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000.

Petitions by the applicant or any of the parties listed below must be filed within fourteen days of receipt of this written notice. Petitions filed by any persons other than those entitled to written notice under section 120.60(3) of the Florida Statutes must be filed within fourteen days of publication of the notice or within fourteen days of receipt of the written notice, whichever occurs first.

Under section 120.60(3) of the Florida Statutes, however, any person who has asked the Department for notice of agency action may file a petition within fourteen days of receipt of such notice, regardless of the date of publication.

The petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. The failure of any person to file a petition or request for mediation within the appropriate time period shall constitute a waiver of that person's right to request an administrative

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

determination (hearing) under sections 120.569 and 120.57 of the Florida Statutes. Any subsequent intervention (in a proceeding initiated by another party) will be only at the discretion of the presiding officer upon the filing of a motion in compliance with rule 28-106.205 of the Florida Administrative Code.

A petition that disputes the material facts on which the Department's action is based must contain the following information:

- (a) The name, address, and telephone number of each petitioner; the Department permit identification number and the county in which the subject matter or activity is located;
- (b) A statement of how and when each petitioner received notice of the Department action;
- (c) A statement of how each petitioner's substantial interests are affected by the Department action;
- (d) A statement of the material facts disputed by the petitioner, if any;
- (e) A statement of facts that the petitioner contends warrant reversal or modification of the Department action;
- (f) A statement of which rules or statutes the petitioner contends require reversal or modification of the Department action; and
- (g) A statement of the relief sought by the petitioner, stating precisely the action that the petitioner wants the Department to take.

A petition that does not dispute the material facts on which the Department's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by rule 28-106.301.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Department's final action may be different from the position taken by it in this notice. Persons whose substantial interests will be affected by any such final decision of the Department have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

In addition to requesting an administrative hearing, any petitioner may elect to pursue mediation. The election may be accomplished by filing with the Department a mediation agreement with all parties to the proceeding (i.e., the applicant, the Department, and any person who has filed a timely and sufficient petition for a hearing). The agreement must contain all the information required by rule 28-106.404. The agreement must be received by the clerk in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, within ten days after the deadline for filing a petition, as set forth above. Choosing mediation will not adversely affect the right to a hearing if mediation does not result in a settlement.

As provided in section 120.573 of the Florida Statutes, the timely agreement of all parties to mediate will toll the time limitations imposed by sections 120.569 and 120.57 for holding an administrative hearing and issuing a final order. Unless otherwise agreed by the parties, the mediation must be concluded within sixty days of the execution of the agreement. If mediation

results in settlement of the administrative dispute, the Department must enter a final order incorporating the agreement of the parties. Persons seeking to protect their substantial interests that would be affected by such a modified final decision must file their petitions within fourteen days of receipt of this notice, or they shall be deemed to have waived their right to a proceeding under sections 120.569 and 120.57. If mediation terminates without settlement of the dispute, the Department shall notify all parties in writing that the administrative hearing processes under sections 120.569 and 120.57 remain available for disposition of the dispute, and the notice will specify the deadlines that then will apply for challenging the agency action and electing remedies under those two statutes.

This action is final and effective on the date filed with the Clerk of the Department unless a petition (or request for mediation) is filed in accordance with the above. Upon the timely filing of a petition (or request for mediation) this order will not be effective until further order of the Department.

Any party to the order has the right to seek judicial review of the order under section 120.68 of the Florida Statutes, by the filing of a notice of appeal under rule 9.110 of the Florida Rules of Appellate Procedure with the Clerk of the Department in the Office of General Counsel, 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida, 32399-3000; and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice of appeal must be filed within 30 days from the date when the final order is filed with the Clerk of the Department.

Executed in Jacksonville, Florida.

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

*Jerry M. Owen*  
\_\_\_\_\_  
Jerry M. Owen, P.E.  
Water Facilities Administrator

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this NOTICE OF PERMIT TRANSFER and all copies were mailed by certified mail before the close of business on 12/10, 1997 to the listed persons.

Copies furnished to: *AFW*  
*VLS*

Robert P. Todd

FILING AND ACKNOWLEDGEMENT  
Filed on this date, pursuant to §120.52, Florida  
Statutes, with the designated Department Clerk,  
[Signature] 12/17/97



# Florida Department of Environmental Protection

Lawton Chiles  
Governor

Northeast District  
7825 Baymeadows Way, Suite B200  
Jacksonville, Florida 32256-7577

Virginia B. Wetherell  
Secretary

## NOTICE OF PERMIT ISSUANCE

### CERTIFIED-RETURN RECEIPT

November 24, 1993

Robert P. Todd, Vice President  
Sunray Utilities - Nassau, Inc.  
Post Office Box 1708  
Fernandina Beach, Florida 32217

Dear Mr. Todd:

Nassau County - Domestic Waste  
Sunray Utilities - Nassau, Inc. WWTP

Enclosed is Permit Number DO45-239673 to operate the subject wastewater treatment facility, issued pursuant to Section(s) 403.087, Florida Statutes (F.S.).

The Permittee is reminded of the necessity to comply with the pertinent regulations of any other State agency, as well as any County, Municipal, and Federal regulations applicable to the project. These regulations may include, but are not limited to, those of the Federal Emergency Management Agency in implementing flood control measures. This permit should not be construed to imply compliance with the regulations of other agencies.

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

The Petition shall contain the following information;

- (a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department Permit File Number and the county in which the project is proposed;
- (b) A statement of how and when each petitioner received notice of the Department's action or proposed action;
- (c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action;
- (d) A statement of the material facts disputed by Petitioner, if any;
- (e) A statement of facts which petitioner contends warrant reversal or modification of the Department's action or proposed action;
- (f) A statement of which rules or statutes petitioner contends require reversal or modification of the Department's action or proposed action; and
- (g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.

Administration 448-4300  
Air 448-4310  
Waste Management 448-4320

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Water Facilities 448-4330  
Water Management 448-4340  
FAX 448-4366

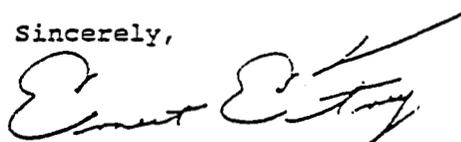
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This permit is final and effective on the date filed with the Clerk of the Department unless a petition is filed in accordance with the above paragraphs or unless a request for extension of time in which to file a petition is filed within the time specified for filing a petition and conforms to Rule 17-103.070, FAC. Upon timely filing of a petition or a request for an extension of time this permit will not be effective until further Order of the Department.

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

Executed in Jacksonville, Florida.

Sincerely,



Ernest E. Frey, P.E.  
Director of District Management

BPW

EEF:JM/jf  
Attachment

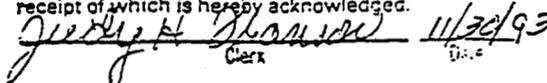
cc: Sumner Waitz, P.E.

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this NOTICE OF PERMIT ISSUANCE and all copies were mailed before the close of business on November 30, 1993 to the listed persons.

FILING AND ACKNOWLEDGEMENT

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

  
Clerk 11/30/93



# Florida Department of Environmental Protection

Lawton Chiles  
Governor

Northeast District  
7825 Baymeadows Way, Suite B200  
Jacksonville, Florida 32256-7577

Virginia B. Wetherell  
Secretary

**PERMITTEE:**

Robert P. Todd, Vice President  
Sunray Utilities - Nassau, Inc.  
Post Office Box 1708  
Fernandina Beach, Florida 32217

I.D. Number: 3145P01228  
Permit/Cert Number: DO45-239673  
Date of Issue: November 24, 1993  
Expiration Date: November 24, 1998  
County: Nassau  
Lat/Long: 30°36'45"N/81°33'06"W  
Section/Township/Range: 1, 12 & 37/2N/27E  
Project: Sunray Utilities -  
Nassau, Inc. WWTP

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rule(s) 17-301, 17-302, 17-4, 17-600, 17-601, 17-602, 17-610, 17-640, and 17-7. The above named Permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the Department and made a part hereof and specifically described as follows:

To operate a 0.187 MGD extended aeration wastewater treatment plant with the treated chlorinated reclaimed water land applied to two evaporation/percolation cells serving Sunray Utilities.

Located off S.R. 200 (A1A) at Chester Road, O'Neil, Nassau County, Florida.

In accordance with application received October 20, 1993.

PERMITTEE:

Robert P. Todd  
Sunray Utilities - Nassau, Inc. WWTP

I.D. Number: 3145P01228  
Permit Number: DO45-239673  
Date of Issue: November 24, 1993  
Expiration Date: November 24, 1998

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions" and as such are binding upon the permittee and enforceable pursuant to the authority of Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is hereby placed on notice that the department will review this permit periodically and may initiate enforcement action for any violation of the "Permit Conditions" by the permittee, its agents, employees, servants, or representatives.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the department.
3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Nor does it authorize any injury to public or private property or any invasion of persons rights, nor any infringement of federal, state or local laws or regulations. This permit does not constitute a waiver of or approval of any other department permit that may be required for other aspects of the total project which are not addressed in the permit.
4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgement of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the state. Only the Trustees of the Internal Improvement Trust Fund may express state opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, plant or aquatic life or property and penalties therefore 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.
6. The permittee shall at all times properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by department rules.
7. The permittee, by accepting this permit, specifically agrees to allow authorized department personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:

PERMITTEE:

Robert P. Todd  
Sunray Utilities - Nassau, Inc. WWTP

I.D. Number: 3145P01228  
Permit Number: DO45-239673  
Date of Issue: November 24, 1993  
Expiration Date: November 24, 1998

- a. Having access to and copying any records that must be kept under the conditions of the permit;
- b. Inspecting the facility, equipment, practices, or operations regulated or required under this permit; and
- c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or department rules.

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

8. If, for any reason, the permittee does not comply with, or will be unable to comply with, any condition or limitation specified in this permit, the permittee shall immediately notify and provide the department with the following information:
  - a. A description of and cause of non-compliance; and
  - b. the period of non-compliance, including exact dates and times; or, if not corrected, the anticipated time the non-compliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the non-compliance.

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the department for penalties or revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source, which are submitted to the department, may be used by the department as evidence in any enforcement case arising under the Florida Statutes or department rules, except where such use is proscribed by Sections 403.73 and 403.111, Florida Statutes.
10. The permittee agrees to comply with changes in department rules and Florida Statutes after a reasonable time for compliance, provided however, the permittee does not waive any other rights granted by Florida Statutes or department rules.
11. This permit is transferable only upon department approval in accordance with Florida Administrative Code Rules 17-4.12 and 17-30.30, as applicable. The permittee shall be liable for any noncompliance of the permitted activity until the transfer is approved by the department.
12. This permit is required to be kept at the work site of the permitted activity during the entire period of construction or operation.

PERMITTEE:

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I.D. Number: 3145P01228  
Permit Number: DO45-239673  
Date of Issue: November 24, 1993  
Expiration Date: November 24, 1998

13. This permit also constitutes:

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

14. The permittee shall comply with the following monitoring and record keeping requirements:

- a. Upon request, the permittee shall furnish all records and plans required under department rules. The retention period for all records will be extended automatically, unless otherwise stipulated by the department, during the course of any unresolved enforcement action.
- b. The permittee shall retain at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation), copies of all reports required by this permit, and records of all data used to complete the application for this permit. The time period of retention shall be at least three years from the date of the sample, measurement, report or application unless otherwise specified by department rule.
- c. Records of monitoring information shall include:
  - the date, exact place, and time of sampling or measurements;
  - the person responsible for performing the sampling or measurements;
  - the date(s) analyses were performed;
  - the person responsible for performing the analyses;
  - the analytical techniques or methods used; and
  - the results of such analyses.

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

PERMITTEE:

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Sunray Utilities - Nassau, Inc. WWTP

I.D. Number: 3145P01228  
Permit Number: DO45-239673  
Date of Issue: November 24, 1993  
Expiration Date: November 24, 1998

SPECIFIC CONDITIONS:

1. Waste residuals or other solid wastes shall not be discharged into surface waters either directly or indirectly. These shall be disposed of in a manner approved by the Department.
2. The reclaimed water from this source shall be adequately chlorinated at all times so as to meet the basic disinfection requirements of Rule 17-600.440 (4), FAC.
3. The personnel in charge of the operation, supervision, or maintenance of the treatment facilities shall meet the requirements of Chapter 17-602, FAC. Sampling and monitoring of this facility will be in accordance with Chapter 17-601, FAC.
4. The discharge authorized by this permit shall be consistent at all times with the water quality standards set forth in Chapters 17-301 and 17-302, FAC.
5. No additional connections shall be made to this facility without prior approval of this agency.
6. The permit holder shall also comply with county, municipal, federal and other state regulations.
7. During the period of operation allowed by this permit, the Permittee shall complete and submit on a monthly basis the monthly operation report (DER Form No. 17-601.900(1)) so as to be received by the Department by the twenty-eighth (28th) day of the month following the month of operation. The test site identification number for this facility to be entered under Part II, item (10) of each report is 3145X12512. Reports shall be submitted on a monthly basis to the Department of Environmental Protection, Northeast District Office, 7825 Baymeadows Way, Suite B-200 Jacksonville, Florida 32256-7577.
8. An Operation and Maintenance Manual for this facility shall be available at the facility for use by operation and maintenance personnel and for inspection by the Department in accordance with Rule 17-600.720, FAC.
9. A log book shall be maintained as a record of the operation and maintenance activities as well as attendance and shall be submitted to the Department upon request.
10. A copy of these permit conditions shall be forwarded by the Permittee to the lead operator and/or the utility company who is charged to maintain and operate this facility, if other than the owner, so as to comply with General Condition No. 12 above.
11. Appropriate warning signs shall be posted around the site boundaries to designate the nature of the project area.

PERMITTEE:

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I.D. Number: 3145P01228  
Permit Number: DO45-239673  
Date of Issue: November 24, 1993  
Expiration Date: November 24, 1998

12. The Domestic wastewater residuals generated by the facility which meet Class C Stabilization Standards and the chemical criteria of Rule 17-640.700(3), FAC shall be disposed of at the Cope Farm (Duval Septic) land application site in accordance with the provisions of Chapter 17-640 FAC and the Agricultural Use Plan for the site received October 20, 1993 and hereby incorporated as part of this permit. The residuals shall be sampled for the parameters listed below every six months in accordance with Rule 17-640.700(1)(e) and (f) FAC. Residuals samples shall be collected after final treatment but prior to utilization or disposal. A copy of the analyses shall be submitted with the monthly operation report for the following parameters:

Total Nitrogen	-	%	dry weight
Total Phosphorus	-	%	dry weight
Total Potassium	-	%	dry weight
Total Solids	-	%	dry weight
Cadmium	-	mg/kg	- dry weight
Copper	-	mg/kg	- dry weight
Lead	-	mg/kg	- dry weight
Nickel	-	mg/kg	- dry weight
Zinc	-	mg/kg	- dry weight
pH	-		standard units

13. The Permittee shall notify the Department by letter of any modifications or expansion of the approved land application residual site in accordance with the requirements of Rule 17-640.300(2) FAC. Expansions include additional site locations for the Permittee's residuals.
14. Pursuant to Rule 17-640.500(1)(f) FAC, the Agricultural Use Plan shall be updated and submitted to the Department annually beginning one year from the date of operation permit issuance. The pH of the residuals soil mixture and a summary of the total domestic wastewater residuals, nitrogen, and heavy metals applied on an annual basis shall be submitted with the annual update to the Agricultural Use Plan.
15. Pursuant to Rule 17-640.700(3)(p) FAC, records of the domestic wastewater residuals application areas and application rates shall be maintained by the wastewater treatment facility permittee and must be available for inspection upon request by the Department, or the appropriate Local Environmental Program. Records shall be kept on an appropriate Department form or by an approved method which provides equivalent detail. These records shall include:
- Date of application of the domestic wastewater residuals,
  - Location of the residuals application site,
  - Amount of domestic wastewater residuals applied or delivered,
  - Identification of specific areas of the site where domestic wastewater residuals were applied and acreage of that area,
  - Method of incorporation of residuals (if any),
  - Water table level at time of application, and
  - Concentration of nitrogen and heavy metals in the domestic wastewater residuals, solids, and date of last analysis.

PERMITTEE:

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I.D. Number: 3145P01228  
 Permit Number: DO45-239673  
 Date of Issue: November 24, 1993  
 Expiration Date: November 24, 1998

16. All applications to renew operation permits shall include a detailed operation and maintenance performance report as described in Rule 17-600.735 FAC.
17. The Permittee shall provide for the timely planning, design and construction of wastewater facilities necessary to provide proper treatment and reuse of domestic wastewater and management of domestic wastewater residuals. When the three-month average daily flow for the most recent three consecutive months exceeds 50 percent of the permitted capacity of the treatment facility, the Permittee shall submit to the Department a capacity analysis report pursuant to Rule 17-600.405 FAC.
18. The Permittee shall, prior to 60 days before the expiration of this permit, apply for an operation permit on forms and in a manner prescribed by the Department, Section 17-4.09, FAC. It is highly recommended that the wastewater treatment plant and disposal system be evaluated prior to the submittal of an operation permit application so it can be established that there are no violations of current Department regulations. If there is noncompliance, the Department should be contacted as to the appropriate type of permit to obtain.
19. In accordance with Chapter 17-601 FAC, the monitoring requirements and reclaimed water limitations for this plant are as follows:

PARAMETER	RECLAIMED WATER LIMIT	MINIMUM FREQUENCY	SAMPLE TYPE	SAMPLE LOCATION
Flow (mgd)	0.187 (b)	Daily, 5/week	A	Influent or Reclaimed Water
CBOD <sub>5</sub> (mg/l)	(a)	Every 2 weeks	B	Influent (c) & Reclaim. Water(d)
TSS (mg/l)	(a)	Every 2 weeks	B	Influent (c) & Reclaim. Water(d)
NO <sub>3</sub> -N (mg/l)	(a)	Every 2 weeks	B	Reclaimed Water (d)
pH Units	6.0 - 8.5	Daily, 5/week	Grab	Reclaimed Water (d)
Chlorine				Reclaimed Water
Residual(mg/l)	0.5 Minimum (e)	Daily, 5/week (g)	Grab	Reclaimed Water (d)
Fecal Coliform! no./100 (ml)	200 (i)	Every 2 weeks	Grab	Reclaimed Water (d)
Annual Reclaim! Water Analysis!		See Specific Condition No. 22		
Ground water				
Monitoring		See Specific Condition No. 27		

(a)

	ANNUAL	MONTHLY	WEEKLY	ONE TIME MAXIMUM
CBOD <sub>5</sub>	20*	30*	45*	60*
TSS	20*	30*	45*	60*
NO <sub>3</sub> -N	12**	12**	12**	12**

\* Rule 17-600.740, FAC  
 \*\* Rule 17-610.510, FAC

PERMITTEE:

Robert P. Todd  
Sunray Utilities - Nassau, Inc. WWTP

I.D. Number: 3145PO1228  
Permit Number: DO45-239673  
Date of Issue: November 24, 1993  
Expiration Date: November 24, 1998

19. A. Recording flowmeter and totalizer required.
- B. An 8-hour flow proportioned composite sample required. The Department will allow grab samples until the annual average daily flow reaches 0.10 MGD.
- (b) Annual average daily flow shall not exceed value shown.
- (c) Influent samples shall be collected so that they do not contain digester supernatant or returned activated sludge, or any other plant process waters.
- (d) Reclaimed water samples shall be collected after final treatment and immediately before discharge to the percolation/evaporation cells.
- (e) The total residual chlorine content of the reclaimed water at the exit of the chlorine contact chamber shall at all times not be less than 0.5 mg/l.
- (i) The arithmetic mean of the monthly fecal coliform values collected during an annual period shall not exceed 200 per 100 ml. Any one sample shall not exceed 800 fecal coliform values per 100 ml.
20. Pursuant to Rule 17-602.360(1)(e), an operation and maintenance log shall be maintained in a location accessible to 24-hour inspection and current to the last operation and maintenance performed. The log at a minimum shall include identification of the plant; the signature and certification number of the operator; date and time in and out; specific operation and maintenance performed; tests performed and samples taken and major repairs made.
21. The Permittee is responsible for submitting a reuse feasibility study (if required pursuant to Section 403.064 FS) together with the application for permit renewal.
22. An annual reclaimed water analysis is required pursuant to Rule 17-601.300(4) FAC, for the primary and secondary drinking water standards contained in Chapter 17-550 FAC, using DER Form 17-601.900(4). During years when an operation permit is not submitted or renewed, a certification stating that no new non-domestic wastewater dischargers have been added to the collection system since the last reclaimed water analysis was conducted may be submitted in lieu of the report.
23. Field testing, sample collection and preservation, laboratory testing, including quality control procedures, and all record keeping shall comply with Chapter 17-160, FAC. Each reclaimed water parameter has an applicable method detection limit (MDL) and a practical quantitative limit (PQL) as follows:

PERMITTEE:

Robert P. Todd  
 Sunray Utilities - Nassau, Inc. WWTP

I.D. Number: 3145P01228  
 Permit Number: DO45-239673  
 Date of Issue: November 24, 1993  
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23. (continued)

ANALYTE	RECOMMENDED MDL	TARGETS PQL	EPA METHOD
Copper	5	25.0	200.7
Lead	1.0	5.0	239.2
Nickel	10.0	50.0	200.7
Zinc	2.0	5.0	200.7 or
	5.0	5.0	289.1
Total chlorine			
Residual	10.0	10.0	330.1 or
	50.0	50.0	330.5
Nitrate	100.0	100.0	352.1

Units are microgram per liter  
 Equivalent methods are subject to approval by the Department.

24. According to Chapter 17-699, FAC, this is a Class C, Category III treatment process that requires the services of a certified operator (Class C or higher) 1/2 hour/day for 5 days per week and a weekend visit. The lead/chief operator must be Class C or higher.
25. Percolation ponds and/or storage ponds shall be enclosed with a fence or otherwise designed with appropriate features to discourage the entry of animals and unauthorized persons (Rule 17-610.518 FAC).
26. The Permittee shall provide regular cleaning of the percolation cells including scarification and vegetation removal as necessary to ensure the continued effective operation of the cells. Hydraulic loadings periods of 1-7 days with resting period of 5-14 days to dry the pond bottoms and enable scarification or removal of deposited solids are required. A minimum freeboard of 3 feet shall be provided at all times and in no case shall the freeboard be less than 1 foot from the top of the berm. The Permittee shall provide a plan of corrective action to the Department in the event the freeboard in the pond becomes less than 3 feet from the top of berm or the hydraulic loading/resting period no longer provides for the drying of pond bottoms to enable scarification or removal of deposited solids.
27. The ground water monitoring program is held in abeyance until such time as plant achieves a thirty (30) day average flow of 0.10 MGD. Permittee shall give notice to the Department within ten (10) days of meeting the stated flow and shall comply with the permit condition(s) for ground water monitoring as set forth below.

Pursuant to Section 17-522.600, Florida Administrative Codes (F.A.C.), the Permittee shall comply with the following ground water monitoring program:

PERMITTEE:

Robert P. Todd  
 Sunray Utilities - Nassau, Inc. WWTP

I.D. Number: 3145P01228  
 Permit Number: DO45-239673  
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- a) The zone of discharge extends horizontally 100 feet beyond the margin of the discharge area, or to the property boundary whichever is less, and vertically to the top of the first confining unit, in accordance with Section 17-522.410(1), F.A.C. This will remain in effect unless, pursuant to Section 17-522.500(3), F.A.C., it becomes necessary to seek a change.
- b) The Permittee's discharge shall at no time cause an exceedance of any primary or secondary drinking water standard set forth in Sections 17-550.310 and 17-550.320 F.A.C., except within the established zone of discharge. Neither shall the Permittee's discharge, at any time or place, cause a violation of the minimum criteria for ground water set forth in Section 17-520.400, F.A.C.
- c) The following ground water sampling points are established as related in Exhibit No. 5 of the submittal "Operation & Maintenance Performance Report for Sunray Utilities - Nassau County, October 1993"; which was received on October 20, 1993:

<u>MONITOR WELL NAME</u>	<u>WELL TYPE</u>	<u>TEST SITE ID NO.</u>	<u>WELL LOCATION</u>
MW-1	Compliance	3145A12871	At the southwestern corner of site.
MW-2	Compliance	3145A12872	Midway along western site margin.
MW-3	Intermediate	3145A12873	South-central area of site.
MW-4	Compliance	3145A12874	Midway along eastern site margin.
MW-5	Background	3145A12875	At the northeastern corner of site.
MW-6	Background	3145A12876	At the northwestern most pond corner.

- d) Within thirty (30) days of any monitor well installation, the Permittee shall submit a report to the Department containing the following information:

Well identification number	Screen type and slot size
Driller's log	Elevation at top and bottom
Total depth of well	of screened interval
Aquifer monitored	Casing material and diameter
Date of construction	

- e) In the event an approved monitor well becomes damaged or inoperable, the Permittee shall notify the Department, and within seven (7) days, provide a written report which details what problem has occurred and what remedial actions have been taken to prevent a recurrence. All monitor wells shall be approved by the Department prior to construction.

PERMITTEE:

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Sunray Utilities - Nassau, Inc. WWTP

I.D. Number: 3145P01228  
Permit Number: DO45-239673  
Date of Issue: November 24, 1993  
Expiration Date: November 24, 1998

- f) All wells established by permit for ground water monitoring shall be sampled and analyzed once each calendar quarter for the following parameters. Additional samples, wells and parameters may be required based upon subsequent analyses.

<u>STORET CODE</u>	<u>PARAMETER</u>	<u>UNIT OF MEASURE</u>	<u>STORET CODE</u>	<u>PARAMETER</u>	<u>UNIT OF MEASURE</u>
082545	Water Elevation	ft	000600	Total Nitrogen	mg/l
000094	Sp. Conductance	umhos	071850	Nitrate (as N)	mg/l
000403	pH	SU	000665	Total Phosphorous	mg/l
031616	Fecal Coliform	#/100	000940	Chloride	mg/l
000945	Sulfate	mg/l	000929	Sodium	mg/l
082078	Turbidity	NTU	000680	Total Organic Carbon	mg/l
900208	Arsenic	mg/l	900211	Chromium	mg/l
900210	Cadmium	mg/l	900212	Lead	mg/l

- g) Ground water sampling and analytical reporting shall be in accordance with the following schedule:

<u>Sample Period</u>	<u>Report Due</u>
1st Quarter (January-March)	April 28th
2nd Quarter (April-June)	July 28th
3rd Quarter (July-September)	October 28th
4th Quarter (October-December)	January 28th

- h) All ground water analyses shall be reported on DER Form 17-601.900(3) or a facsimile thereof. A copy of the laboratory analysis report is to accompany the completed monitoring report form.
- i) Should any analysis reveal a water quality standard to be exceeded, the Permittee shall have fifteen (15) days in which to resample and verify the sample results. Should the Permittee choose not to resample, the Department will consider the analysis to be representative of current ground water conditions.
- j) Static water elevations shall be recorded for each monitor well prior to evacuating (purging) the well for sample collection. Measurements of water elevation shall be referenced to NGVD at a precision of plus or minus 0.01 foot.
- k) Compliance with ground water standards shall be determined by analysis of unfiltered samples, unless the Department gives written notice that filtered samples will be accepted as being equally or more representative.
- l) The Permittee shall provided, within a reasonable time at its expense, a permanent safe drinking water supply which meets standards of Chapter 17-550, F.A.C., to replace any potable water well that is shown by chemical and hydrogeologic analysis to be contaminated by the Permittee's operations.

PERMITTEE:

Robert P. Todd  
Sunray Utilities - Nassau, Inc. WWTP

I.D. Number: 3145P01228  
Permit Number: DO45-239673  
Date of Issue: November 24, 1993  
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m) All submittals pertaining to ground water monitoring shall be sent to:

Florida Department of Environmental Protection  
Northeast District Office  
Ground Water Section  
7825 Baymeadows Way, Suite B200  
Jacksonville, Florida 32256-7577

*OPW*

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL PROTECTION



Ernest E. Frey, P.E.  
Director of District Management

FILING AND ACKNOWLEDGEMENT.

FILED on this date, pursuant to S120 52, Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

*Judy P. Deans* 11/30/93  
Clerk Date



Lawton Chiles  
Governor

# Florida Department Environmental Protection

SM K  
CHRIS CA  
Create new FILE  
permits

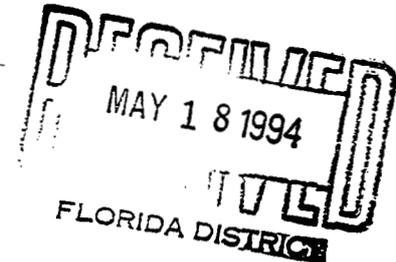
Northeast District  
7825 Baymeadows Way, Suite B200  
Jacksonville, Florida 32256-7577

Virginia B. Wetherell  
Secretary

## NOTICE OF PERMIT TRANSFER

CERTIFIED-RETURN RECEIPT  
May 16, 1994

Mr. Philip Heil  
Jacksonville Suburban Utilities Corporation  
1400 Millcoe Road  
Jacksonville, Florida 32225



Dear Mr. Heil:

Nassau County - Domestic Waste  
Amoco Service Station STP

Enclosed is modified Permit Number DO45-184471 to operate the subject wastewater treatment facility, issued pursuant to Section(s) 403.087, Florida Statutes (F.S.).

In accordance with the application received on May 4, 1994, this permit is hereby transferred from Mr. Mike Shah to Mr. Philip Heil. This permit transfer is being handled under Department processing number 250088. The Permittee is reminded that all conditions of this permit are enforceable.

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

The Petition shall contain the following information;

- (a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department Permit File Number and the county in which the project is proposed;
- (b) A statement of how and when each petitioner received notice of the Department's action or proposed action;
- (c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action;
- (d) A statement of the material facts disputed by Petitioner, if any;
- (e) A statement of facts which petitioner contends warrant reversal or modification of the Department's action or proposed action;
- (f) A statement of which rules or statutes petitioner contends require reversal or modification of the Department's action or proposed action; and
- (g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.

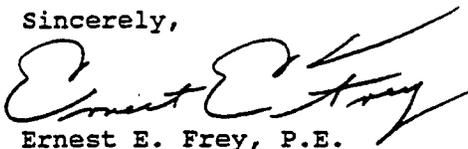
If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this permit. Persons whose substantial interests will be affected by any decision of the Department with regard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

This permit is final and effective on the date filed with the Clerk of the Department unless a petition is filed in accordance with the above paragraphs or unless a request for extension of time in which to file a petition is filed within the time specified for filing a petition and conforms to Rule 17-103.070, FAC. Upon timely filing of a petition or a request for an extension of time this permit will not be effective until further Order of the Department.

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

Executed in Jacksonville, Florida.

Sincerely,



Ernest E. Frey, P.E.  
Director of District Management

EEF:KS/jf  
Attachment

BPW  
KJS

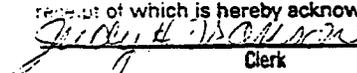
cc: Randall W. Corbin  
Stephen Manis, P.E. ✓

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this NOTICE OF PERMIT TRANSFER and all copies were mailed before the close of business on May 17, 1994 to the listed persons.

FILING AND ACKNOWLEDGEMENT

FILED on this date, pursuant to S120.52 Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

 5/17/94  
Clerk



Lawton Chiles  
Governor

# Florida Department Environmental Protection

Northeast District  
7825 Baymeadows Way, Suite B200  
Jacksonville, Florida 32256-7577

Virginia B. Wetherell  
Secretary

**PERMITTEE:**

Mr. Philip Heil  
Jacksonville Suburban Utilities Corp.  
1400 Millcoe Road  
Jacksonville, Florida 32225  
(904) 725-2865

I.D. Number: 3145P00053  
Permit/Cert Number: DO45-184471  
Date of Issue: December 24, 1990  
Expiration Date: December 24, 1995  
County: Nassau  
Lat/Long: 30°37'03"N/81°39'10"W  
Section/Township/Range:  
Project: Amoco Service Station STP  
Transferred: May 16, 1994

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rule(s) 17-301, 17-302, 17-4, 17-600, 17-601, 17-610, 17-640, 17-699, 17-7 and 61E12. The above named Permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the Department and made a part hereof and specifically described as follows:

To operate a 0.00336 MGD extended aeration sewage treatment plant with chlorinated effluent disposal to one percolation/evaporation pond serving Amoco Service Station.

This facility is located at I-95 and State Road 200, Yulee, Nassau County, Florida.

In accordance with application received August 1, 1990 and completed November 9, 1990, and Application for Transfer of Permit received May 4, 1994.

PERMITTEE:

M & R Enterprise  
moco Service Station STP

I.D. Number: 3145P00053  
Permit Number: D045-184471  
Date of Issue: December 24, 1990  
Expiration Date: December 24, 1995

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions" and as such are binding upon the permittee and enforceable pursuant to the authority of Sections 403.161, 403.727, or 403.859 through 403.861; Florida Statutes. The permittee is hereby placed on notice that the department will review this permit periodically and may initiate enforcement action for any violation of the "Permit Conditions" by the permittee, its agents, employees, servants, or representatives.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the department.
3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Nor does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations. This permit does not constitute a waiver of or approval of any other department permit that may be required for other aspects of the total project which are not addressed in the permit.
4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgement of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the state. Only the Trustees of the Internal Improvement Trust Fund may express state opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, plant or aquatic life or property and penalties therefore 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.
6. The permittee shall at all times properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by department rules.
7. The permittee, by accepting this permit, specifically agrees to allow authorized department personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:

PERMITTEE:

M & R Enterprise  
noco Service Station STP

I.D. Number: 3145P00053  
Permit Number: D045-184471  
Date of Issue: December 24, 1990  
Expiration Date: December 24, 1995

- 7
- a. Having access to and copying any records that must be kept under the conditions of the permit;
  - b. Inspecting the facility, equipment, practices, or operations regulated or required under this permit; and
  - c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or department rules.

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

8. If, for any reason, the permittee does not comply with, or will be unable to comply with, any condition or limitation specified in this permit, the permittee shall immediately notify and provide the department with the following information:
  - a. A description of and cause of non-compliance; and
  - b. the period of non-compliance, including exact dates and times; or, if not corrected, the anticipated time the non-compliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the non-compliance.

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the department for penalties or revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source, which are submitted to the department, may be used by the department as evidence in any enforcement case arising under the Florida Statutes or department rules, except where such use is proscribed by Sections 403.73 and 403.111, Florida Statutes.
10. The permittee agrees to comply with changes in department rules and Florida Statutes after a reasonable time for compliance, provided however, the permittee does not waive any other rights granted by Florida Statutes or department rules.
11. This permit is transferable only upon department approval in accordance with Florida Administrative Code Rules 17-4.12 and 17-30.30, as applicable. The permittee shall be liable for any noncompliance of the permitted activity until the transfer is approved by the department.
12. This permit is required to be kept at the work site of the permitted activity during the entire period of construction or operation.

PERMITTEE:

M & R Enterprise  
Moco Service Station STP

I.D. Number: 3145P00053  
Permit Number: D045-184471  
Date of Issue: December 24, 1990  
Expiration Date: December 24, 1995

13. This permit also constitutes:

- Determination of Best Available Control Technology (BACT)
- Determination of Prevention of Significant Deterioration (PSD)
- Certification of Compliance with State Water Quality Standards
- (Section 401, PL 92-500)
- Compliance with New Source Performance Standards

14. The permittee shall comply with the following monitoring and record keeping requirements:

- a. Upon request, the permittee shall furnish all records and plans required under department rules. The retention period for all records will be extended automatically, unless otherwise stipulated by the department, during the course of any unresolved enforcement action.
- b. The permittee shall retain at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation), copies of all reports required by this permit, and records of all data used to complete the application for this permit. The time period of retention shall be at least three years from the date of the sample, measurement, report or application unless otherwise specified by department rule.
- c. Records of monitoring information shall include:
  - the date, exact place, and time of sampling or measurements;
  - the person responsible for performing the sampling or measurements;
  - the date(s) analyses were performed;
  - the person responsible for performing the analyses;
  - the analytical techniques or methods used; and
  - the results of such analyses.

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

PERMITTEE:

M & R Enterprise  
moco Service Station STP

I.D. Number: 3145P00053

Permit Number: 0045-184471

Date of Issue: December 24, 1990

Expiration Date: December 24, 1995

SPECIFIC CONDITIONS:

1. Waste sludge or other solid wastes shall not be discharged into surface waters either directly or indirectly. These shall be disposed of in a manner approved by DER.
2. The effluent from this source shall be adequately chlorinated at all times so as to meet the disinfection requirements of Rule 17-600.440, FAC.
3. The personnel in charge of the operation, supervision or maintenance of the treatment facilities shall meet the requirements of Chapter 17-602, FAC. Sampling and monitoring of this facility will be in accordance with Chapter 17-601, FAC.
4. The discharge authorized by this permit shall be consistent at all times with the water quality standards set forth in Chapter 17-301, FAC.
5. No additional connections shall be made to this facility without prior approval of this agency.
6. The permit holder shall also comply with county, municipal, federal and other state regulations.
7. During the period of operation allowed by this permit, the permittee shall furnish one copy of the monthly operations report on the operation of the pollution control plant. Such report shall also contain information on the daily quantities of waste sludge generated at the source, type and degree of its treatment and the site of its ultimate disposal. Reports shall be submitted on a monthly basis to the Department of Environmental Regulation, Northeast District Office, 7825 Baymeadows Way, Suite 8-200, Jacksonville, Florida 32256-7577.
8. An Operation and Maintenance Manual for this facility shall be available at the facility for use by operation and maintenance personnel and for inspection by the department in accordance with Rule 17-600.720(2), FAC.
9. A log book shall be maintained as a record of the operation and maintenance activities as well as attendance and shall be submitted to the department upon request.
10. A copy of these permit conditions shall be forwarded by the Permittee to the lead operator and/or the utility company who is charged to maintain and operate this facility, if other than the owner, so as to comply with General Condition No. 12 above.
11. Percolation pond shall be maintained so as to prevent water levels from rising closer than one foot from the top of the embankment or berm of the percolation cell so that there will be no discharge from the pond.

PERMITTEE:

M & R Enterprise  
1000 Service Station STP

I.D. Number: 3145P00053  
Permit Number: D045-184471  
Date of Issue: December 24, 1990  
Expiration Date: December 24, 1995

12. The monitoring requirements and effluent limitations for this plant are as follows:

PARAMETER	ANNUAL AVERAGE	MINIMUM FREQUENCY	SAMPLE TYPE	SAMPLE LOCATION
Flow (mgd)	0.00336	Daily, 5/week	Elapsed Time Measurement	Influent or Effluent
*BOD <sub>5</sub> (mg/l)	20	Quarterly	Grab	Influent and Effluent
*TSS (mg/l)	20	Quarterly	Grab	Influent and Effluent
NO <sub>3</sub> -N (mg/l)	12	Quarterly	Grab	Effluent
pH Units	6.0 - 8.5	Daily, 5/week	Grab	Effluent
Chlorine Residual (mg/l)	0.5 Minimum 1.0 Maximum	Daily, 5/week	Grab	Effluent
Fecal Coliform no./100 (ml)	200	Quarterly	Grab	Effluent

\* or 90% removal, whichever is more stringent.

	ANNUAL	MONTHLY	WEEKLY	ONE TIME MAXIMUM
BOD <sub>5</sub>	20	30**	45**	60**
TSS	20	30**	45**	60**

\*\* Rule 17-600.740, FAC

13. Prior to sixty (60) days before the expiration of this Permit, the permittee shall apply for a renewal of the permit on forms and in a manner prescribed by the Department, Section 17-4.09, FAC.
14. According to Chapter 17-602, FAC, this is a Class D, Level III treatment process that requires the services of a certified operator (Class D or higher) two (2) nonconsecutive visits per week for one (1) hour per week. Additionally, the owner or representative shall perform maintenance and testing five (5) days a week.
15. The Permittee shall provide regular cleaning of the pond to ensure its continued effective operation without overflowing. Within 60 days the Permittee shall provide this office with a maintenance schedule confirming that the pond will be adequately cleaned on a regular basis.

If maintenance practices can not be taken to ensure that the pond will adequately dispose of effluent on a continuous basis, modification to a two cell evaporation/percolation pond system will be required. This will require a construction permit from this Department, based on a design and application certified by a Florida registered engineer.

PERMITTEE:

M & R Enterprise  
1000 Service Station STP

I.D. Number: 3145P00053  
Permit Number: D045-184471  
Date of Issue: December 24, 1990  
Expiration Date: December 24, 1995

16. The sludge shall be sampled after final treatment in accordance with Rule 17-7.540(2)(e), FAC, but prior to utilization or disposal for the parameters listed below every twelve (12) months. A copy of the analyses shall be submitted with the monthly operation report for the following parameters:

Total Nitrogen	-	%	dry weight
Total Phosphorus	-	%	dry weight
Total Potassium	-	%	dry weight
Total Solids	-	%	dry weight
Cadmium	-	mg/kg	dry weight
Copper	-	mg/kg	dry weight
Lead	-	mg/kg	dry weight
Nickel	-	mg/kg	dry weight
Zinc	-	mg/kg	dry weight
pH	-		standard units

*BPH*

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL REGULATION

*Ernest E. Frey*  
Ernest E. Frey, P.E.  
Deputy Assistant Secretary

FILING AND ACKNOWLEDGEMENT  
FILED on this date, pursuant to S120.52, Florida  
Statutes, with the designated Department Clerk,  
receipt of which is hereby acknowledged.

*Diana Benedick* 1/2/91  
Clerk Date



# Department of Environmental Protection

B. GRIMES  
T. GRIFFIS  
R. CORBIN

Lawton Chiles  
Governor

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

Virginia B. Wetherell  
Secretary

## NOTICE OF PERMIT ISSUANCE

CERTIFIED MAIL

June 12, 1996

In the Matter of an Application DEP File No: 282204  
for Permit by:

Mr. Philip Heil, Vice President  
United Water Florida  
1400 Millcoe Road  
Jacksonville, Florida 32225

*file*  
*Copy sent to*  
*Don G. 6/28/96 MD*  
**RECEIVED**  
**JUN 12 1996**  
**UNITED WATER FLORIDA**

Nassau County - Domestic Waste  
Amoco Service Station WWTP

Enclosed is Permit Number FLA011675 to operate an existing 0.00336 mgd permitted capacity wastewater treatment facility with disposal to one percolation pond issued pursuant to Section(s) 403.087, Florida Statutes.

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

The Petition shall contain the following information:

- (a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department Permit File Number and the county in which the project is proposed;
- (b) A statement of how and when each petitioner received notice of the Department's action or proposed action;
- (c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action;
- (d) A statement of the material facts disputed by Petitioner, if any;
- (e) A statement of facts which petitioner contends warrant reversal or modification of the Department's action or proposed action; and
- (f) A statement of which rules or statutes petitioner contends require reversal or modification of the Department's action or proposed action; and
- (g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.

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

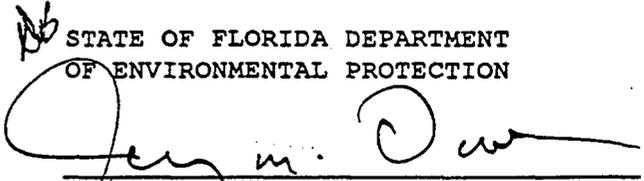
If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this permit. Persons whose substantial interests will be affected by any decision of the Department with regard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

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

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

Executed in Jacksonville, Florida.

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL PROTECTION

  
Jerry M. Owen, P.E.  
Water Facilities Administrator  
Northeast District Office  
7825 Baymeadows Way, Suite B200  
Jacksonville, Florida 32256-7590

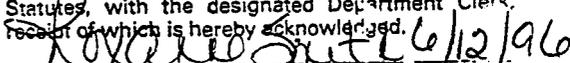
JMO/SLJ/slj

Copies furnished to: Stephen Manis, P.E.

#### CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this NOTICE OF PERMIT ISSUANCE and all copies were mailed by certified mail before the close of business on June 12, 1996 to the listed persons.

FILING AND ACKNOWLEDGEMENT  
FILED on this date, pursuant to S120.52, Florida  
Statutes, with the designated Department Clerk,  
receipt of which is hereby acknowledged.

  
Clerk



# Department of Environmental Protection

Lawton Chiles  
Governor

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

Virginia B. Wetherell  
Secretary

## STATE OF FLORIDA DOMESTIC WASTEWATER FACILITY PERMIT

**PERMITTEE:**

United Water Florida  
1400 Millcoe Road  
Jacksonville, FL 32225

**PERMIT NUMBER:**

FLA011675

**ISSUANCE DATE:**

June 12, 1996

**EXPIRATION DATE:**

June 12, 2001

**FACILITY LD. NO:**

FLA011675

**APPLICATION NO.:**

282204

**RESPONSIBLE AUTHORITY:**

Philip Heil, Vice President

**FACILITY:**

Amoco Service Station WWTP  
State Road 200 at I-95  
Yulee, FL 32059

Nassau County

Latitude: 30° 37' 03" N Longitude: 81° 39' 10" 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:**

An existing 0.00336 MGD annual average daily flow (AADF) permitted capacity extended air domestic wastewater treatment plant consisting of two aeration basins (1,271.5 gallons each), one clarifier (424 gallons), a digester (434 gallons), and a chlorine contact basin (120 gallons).

**EFFLUENT DISPOSAL:**

**Land Application:** An existing 0.00336 MGD annual average daily flow (AADF) permitted capacity rapid rate land application system (R001) consisting of one percolation pond. Land application system R001 is located approximately at latitude 30° 37' 03" N, longitude 81° 39' 10" W.

**IN ACCORDANCE WITH:** The limitations, monitoring requirements and other conditions as set forth in Pages 1 through 14 of this permit.

PERMITTEE: Amoco Service Station WWTP  
 United Water Florida  
 1400 Millcoe Road  
 Jacksonville, FL 32225

PERMIT NUMBER: FLA011675  
 ISSUANCE DATE: June 12, 1996  
 EXPIRATION DATE: June 12, 2001  
 APPLICATION NO.: 282204

**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 land apply effluent from land application system R001. Such land application shall be limited and monitored by the permittee as specified below:

Parameter	Units	Max/Min	Effluent Limitations				Monitoring Requirements				Notes
			Annual Average	Monthly Average	Weekly Average	Single Sample	Monitoring Frequency	Sample Type	Monitoring Location Site Number		
Flow	mgd	Maximum	0.00336				5 Days/Week	See Cond. I.A.3		See Cond.I.A.3	
Carbonaceous Biochemical Oxygen Demand (5 day)	mg/L	Maximum	20	30	45	60	Monthly	Grab	EFA-1		
Total Suspended Solids	mg/L	Maximum	20	30	45	60	Monthly	Grab	EFA-1		
Fecal Coliform Bacteria	See Permit Condition I.A.4.						Monthly	Grab	EFA-1		
pH	std. units	Range				6.0 to 8.5	5 Days/Week	Grab	EFA-1		
Total Residual Chlorine (For Disinfection)	mg/L	Minimum				0.5	5 Days/Week	Grab	EFA-1	See Cond.I.A.5	
Nitrate (as N)	mg/L	Maximum				12	Monthly	Grab	EFA-1		

PERMITTEE: Amoco Service Station WWTP  
United Water Florida  
1400 Millcoe Road  
Jacksonville, FL 32225

PERMIT NUMBER: FLA011675  
ISSUANCE DATE: June 12, 1996  
EXPIRATION DATE: June 12, 2001  
APPLICATION NO.: 282204

2. Effluent 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-1	After disinfection and prior to discharge to the percolation pond

3. Consumptive water use measurements based upon approval by the Department where elapsed time measurements on pumps cannot be made. [62-601.200(17)(b), 5-31-93]
4. The arithmetic mean of the monthly fecal coliform values collected during an annual period shall not exceed 200 per 100 mL of effluent sample. The geometric mean of the fecal coliform values for a minimum of 10 samples of effluent, each collected on a separate day during a period of 30 consecutive days (monthly), shall not exceed 200 per 100 mL of sample. No more than 10 percent of the samples collected (the 90th percentile value) during a period of 30 consecutive days shall exceed 400 fecal coliform values per 100 mL of sample. Any one sample shall not exceed 800 fecal coliform values per 100 mL of sample. Note: To report the 90th percentile value, list the fecal coliform values obtained during the month in ascending order. Report the value of the sample that corresponds to the 90th percentile (multiply the number of samples by 0.9). For example, for 30 samples, report the corresponding fecal coliform number for the 27th value of ascending order. [62-600.440(4)(c), 6-8-93]
5. A minimum of 0.5 mg/L total residual chlorine must be maintained for a minimum contact time of 15 minutes based on peak hourly flow. [62-600.440(4)(b), 6-8-93]

PERMITTEE: Amoco Service Station WWTP  
 United Water Florida  
 1400 Millcoe Road  
 Jacksonville, FL 32225

PERMIT NUMBER: FLA011675  
 ISSUANCE DATE: June 12, 1996  
 EXPIRATION DATE: June 12, 2001  
 APPLICATION NO.: 282204

**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	
Carbonaceous Biochemical Oxygen Demand (5 day)	mg/L	Report					Monthly	Grab	INF-1	See Cond.I.B.3
Total Suspended Solids	mg/L	Report					Monthly	Grab	INF-1	See Cond.I.B.3

PERMITTEE: Amoco Service Station WWTP  
United Water Florida  
1400 Millcoe Road  
Jacksonville, FL 32225

PERMIT NUMBER: FLA011675  
ISSUANCE DATE: June 12, 1996  
EXPIRATION DATE: June 12, 2001  
APPLICATION NO.: 282204

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-1	Influent point prior to biological treatment

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), 5-31-93]
4. Parameters which must be monitored as a result of a ground water discharge (ie., underground injection or land application system) shall be analyzed in accordance with Chapter 62-601, F.A.C. [62-620.610(18), 11-29-94]
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), 5-31-93]
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 Northeast District Office District Office at the address specified in Permit Condition I.B.7 by the twenty-eighth (28th) of the month following the month of operation.  
[62-620.610(18), 11-29-94][62-601.300(1), (2), and (3), 5-31-93]
7. 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 District Office at the address specified below:

Florida Department of Environmental Protection  
Northeast District District Office  
7825 Baymeadows Way, Suite 200B  
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 Lofton Oaks WWTP treatment facility.
2. The wastewater treatment facility permittee shall be responsible for proper handling, use, and disposal of its residuals and will be held responsible for any disposal violations that occur unless the

PERMITTEE: Amoco Service Station WWTP  
United Water Florida  
1400 Millcoe Road  
Jacksonville, FL 32225

PERMIT NUMBER: FLA011675  
ISSUANCE DATE: June 12, 1996  
EXPIRATION DATE: June 12, 2001  
APPLICATION NO.: 282204

permittee can demonstrate that the treatment facility to which the residuals are transported has legally agreed in writing to accept responsibility for proper treatment and disposal. [62-640.300(3), 3-1-91]

3. The permittee shall be responsible for maintaining waste manifest documents, which shall include the following information:
  - a. Waste material generator's name,
  - b. Generator's permit number
  - c. Generator's site address,
  - d. Name, address, and telephone number of the generator's responsible authority,
  - e. Transport company name, address, and telephone number,
  - f. Description of material transported
  - g. Quantity of material transported,
  - h. Generator's certification (printed name, signature, time, (hour), and date (month/day/year),
  - i. Transporter's acknowledgment of receipt of materials (printed name, signature, time (hour) and date (month/day/year),
  - j. Residual treatment facility's owner/operator acknowledgment of receipt of materials as specified in a.-j. (printed name, signature, time (hour), and date (month/day/year), and
  - k. Discrepancies in information items a. - j.

The permittee shall have these documents available for inspection upon request by the Department or the appropriate local authorities.

### III. GROUND WATER MONITORING REQUIREMENTS

Section Three is not applicable to this facility

### IV. ADDITIONAL REUSE AND LAND APPLICATION REQUIREMENTS

#### Part IV Rapid-rate Land Application 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 from the application site or to the facility's property line, whichever is less, and vertically to the base of the surficial aquifer. [62-520.200(23), 4/14/94] [62-522.400 and 62-522.410, 4/14/94]
2. Warning signs shall be posted around the site boundaries to designate the nature of the project area. [62-610.518, 4/2/90]
3. Percolation ponds, infiltration basins or trenches, and storage ponds shall be enclosed with a fence or provided with features to discourage the entry of animals and unauthorized persons. [62-610.518, 4/2/90]
4. The annual average hydraulic loading rate shall be limited to a maximum of 3.0 inches per day (as applied to the entire bottom area). [62-610.523(3), 4/2/90]
5. Rapid-rate system shall be routinely maintained to control vegetation growth and to maintain percolation capability by scarification or removal of deposited solids. [62-610.523(6), 4/2/90]

PERMITTEE: Amoco Service Station WWTP  
United Water Florida  
1400 Millcoe Road  
Jacksonville, FL 32225

PERMIT NUMBER: FLA011675  
ISSUANCE DATE: June 12, 1996  
EXPIRATION DATE: June 12, 2001  
APPLICATION NO.: 282204

6. Routine aquatic weed control and regular maintenance of storage pond embankments and access areas are required. *[62-610.515 and 62-610.415(6), 4/2/90]*
7. Overflows from emergency discharge facilities on storage ponds or on infiltration ponds, basins, or trenches shall be reported as an abnormal event to the Northeast District Office within 24 hours of an occurrence as an abnormal event. The provisions of Rule 62-610.880, F.A.C., shall be met. *[62-610.880, 62-610.415(5), 62-610.515, and 62-610.516, 4/2/90]*

## V. OPERATION AND MAINTENANCE REQUIREMENTS

### Staffing 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 IV, Class D facility and, at a minimum, operators with appropriate certification must be on the site as follows:

A Class D operator or higher operator for 2 nonconsecutive visits/week for 1 hour/week. The lead operator must be a Class D operator, or higher.  
*[62-699, 5-20-94] [62-620.630(3), 11-29-94] [62-699.310, 5-20-92] [62-610.462(2), 4-2-90]*

2. A certified operator shall be on call during periods the plant is unattended. Daily checks of the plant shall be performed by the permittee or his representative or agent 5 days per week. On those days when the facility is not staffed by a certified operator, the permittee shall ensure that Flow, pH, Total Residual Chlorine (For Disinfection) are monitored in accordance with Part I of this permit. *[62-699.311(1), 5-20-92]*

### Capacity Analysis Report and Operation and Maintenance Performance Report Requirements

3. An updated capacity analysis report shall be submitted to the Department with the application for renewal of this permit. The updated capacity analysis report shall be prepared in accordance with Rule 62-600.405, F.A.C. *[62-600.405(5), 6-8-93]*
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), 6-8-93]*

### Record Keeping Requirements

5. The permittee shall maintain the following records and make them available for inspection at the office of United Water Florida located at 1400 Millcoe Road, Jacksonville, Florida :
  - 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;

PERMITTEE: Amoco Service Station WWTP  
United Water Florida  
1400 Millcoe Road  
Jacksonville, FL 32225

PERMIT NUMBER: FLA011675  
ISSUANCE DATE: June 12, 1996  
EXPIRATION DATE: June 12, 2001  
APPLICATION NO.: 282204

- 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, 11-29-94][61E12-41.010(1)(e), 11-02-93]*

#### VI. COMPLIANCE SCHEDULES AND SELF-IMPOSED IMPROVEMENT SCHEDULES

Section Six is not applicable to this facility.

#### VII. INDUSTRIAL PRETREATMENT PROGRAM REQUIREMENTS

Section Seven is not applicable to this facility.

#### 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), 11-26-94]*
2. 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. *[62-600.410(8), 6-8-93]*
3. 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), 5-31-93]*

PERMITTEE: Amoco Service Station WWTP  
United Water Florida  
1400 Millcoe Road  
Jacksonville, FL 32225

PERMIT NUMBER: FLA011675  
ISSUANCE DATE: June 12, 1996  
EXPIRATION DATE: June 12, 2001  
APPLICATION NO.: 282204

4. Collection/transmission system overflows shall be reported to the Department in accordance with Permit Condition IX. 20. *[62-604.550, 5-31-93] [62-620.610(20), 11-29-94]*
5. The operating authority of a collection/transmission system and the permittee of a treatment plant are prohibited from accepting connections of wastewater discharges which have not received necessary pretreatment or which contain materials or pollutants (other than normal domestic wastewater constituents):
  - a. Which may cause fire or explosion hazards; or
  - b. Which may cause excessive corrosion or other deterioration of wastewater facilities due to chemical action or pH levels; or
  - c. Which are solid or viscous and obstruct flow or otherwise interfere with wastewater facility operations or treatment; or
  - d. Which result in treatment plant discharges having temperatures above 40°C.  
*[62-604.130(4), 5-31-93]*
6. The treatment facility 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), 6-8-93]*
7. Screenings and grit removed from the wastewater facilities shall be collected in suitable containers and hauled to a Department approved Class I landfill or to a landfill approved by the Department for receipt/disposal of screenings and grit. *[62-7.540, 12-10-85]*
8. 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), 11-29-94]*

#### 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), 11-29-94]*
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,

PERMITTEE: Amoco Service Station WWTP  
United Water Florida  
1400 Millcoe Road  
Jacksonville, FL 32225

PERMIT NUMBER: FLA011675  
ISSUANCE DATE: June 12, 1996  
EXPIRATION DATE: June 12, 2001  
APPLICATION NO.: 282204

specifications or conditions of this permit constitutes grounds for revocation and enforcement action by the Department. [62-620.610(2), 11-29-94]

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 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), 11-29-94]
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), 11-29-94]
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), 11-29-94]
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), 11-29-94]
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), 11-29-94]
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), 11-29-94]
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

PERMITTEE: Amoco Service Station WWTP  
United Water Florida  
1400 Millcoe Road  
Jacksonville, FL 32225

PERMIT NUMBER: FLA011675  
ISSUANCE DATE: June 12, 1996  
EXPIRATION DATE: June 12, 2001  
APPLICATION NO.: 282204

- 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), 11-29-94]*

10. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data, and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except as such use is proscribed by Section 403.111, Florida Statutes, or Rule 62-620.302, Florida Administrative Code. Such evidence shall only be used to the extent that it is consistent with the Florida Rules of Civil Procedure and applicable evidentiary rules. *[62-620.610(10), 11-29-94]*
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), 11-29-94]*
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), 11-29-94]*
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), 11-29-94]*
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), 11-29-94]*
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), 11-29-94]*
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), 11-29-94]*
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:

PERMITTEE: Amoco Service Station WWTP  
United Water Florida  
1400 Millcoe Road  
Jacksonville, FL 32225

PERMIT NUMBER: FLA011675  
ISSUANCE DATE: June 12, 1996  
EXPIRATION DATE: June 12, 2001  
APPLICATION NO.: 282204

- a. A description of the anticipated noncompliance;
- b. The period of the anticipated noncompliance, including dates and times; and
- c. Steps being taken to prevent future occurrence of the noncompliance.

*[62-620.610(17), 11-29-94]*

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 and Rehabilitative Services (DHRS) under Chapter 10D41, 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), 11-29-94]*

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), 11-29-94]*

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:

PERMITTEE: Amoco Service Station WWTP  
United Water Florida  
1400 Millcoe Road  
Jacksonville, FL 32225

PERMIT NUMBER: FLA011675  
ISSUANCE DATE: June 12, 1996  
EXPIRATION DATE: June 12, 2001  
APPLICATION NO.: 282204

1. Any unanticipated bypass which causes any reclaimed water or effluent to exceed any permit limitation or results in an unpermitted discharge,
  2. Any upset which causes any reclaimed water or the effluent to exceed any limitation in the permit,
  3. Violation of a maximum daily discharge limitation for any of the pollutants specifically listed in the permit for such notice, and
  4. Any unauthorized discharge to surface or ground waters.
- b. 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), 11-29-94]
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), 11-29-94]
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), 11-29-94]

PERMITTEE: Amoco Service Station WWTP  
United Water Florida  
1400 Millcoe Road  
Jacksonville, FL 32225

PERMIT NUMBER: FLA011675  
ISSUANCE DATE: June 12, 1996  
EXPIRATION DATE: June 12, 2001  
APPLICATION NO.: 282204

23. Upset Provisions

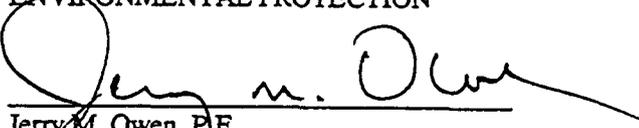
- a. A permittee who wishes to establish the affirmative defense of upset shall demonstrate, through properly signed contemporaneous operating logs, or other relevant evidence that:
  1. An upset occurred and that the permittee can identify the cause(s) of the upset;
  2. The permitted facility was at 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), 11-29-94]

Executed in Jacksonville, Florida.

*BPW*  
*ds*

STATE OF FLORIDA DEPARTMENT OF  
ENVIRONMENTAL PROTECTION

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

FILING AND ACKNOWLEDGEMENT  
FILED on this date, pursuant to S: 20.52 Florida  
Statutes, with the designated Department Clerk,  
receipt of which is hereby acknowledged  
*Patricia Smith* 6/12/96  
Clerk Date

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

PERMIT NUMBER: FLA011675  
FACILITY NAME: Amoco Service Station WWTP  
FACILITY LOCATION: Yulee, Nassau County  
NAME OF PERMITTEE: United Water Florida  
PERMIT WRITER: Stephanie Jenkins

**EFFLUENT DISPOSAL AND REUSE LOCATION(S):**

Land Application:

Land Application System:

1 rapid infiltration basin - total bottom area is 227 sf.

Latitude: 30° 37' 03"  
Longitude: 81° 39' 10"

**DESCRIPTION OF FACILITIES:**

An existing 0.00336 MGD annual average daily flow (AADF) permitted capacity extended air domestic wastewater treatment plant consisting of two aeration basins (1,271.5 gallons each), one clarifier (424 gallons), a digester (434 gallons), and a chlorine contact basin (120 gallons).

**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**

<b>Parameter</b>	<b>Basis</b>	<b>Rationale</b>
Flow	Annual Average	62-600.400(3)(b) FAC
Carbonaceous Biochemical Oxygen Demand (5 day)	Annual Average	62-600.740(1)(b)1.a. FAC
	Monthly Average	62-600.740(1)(b)1.b. FAC
	Weekly Average	62-600.740(1)(b)1.c. FAC
	Single Sample Max.	62-600.740(1)(b)1.d. FAC
Total Suspended Solids	Annual Average	62-600.740(1)(b)1.a. FAC
	Monthly Average	62-600.740(1)(b)1.b. FAC
	Weekly Average	62-600.740(1)(b)1.c. FAC
	Single Sample Max.	62-600.740(1)(b)1.d. FAC
Fecal Coliform Bacteria	Annual Average	62-600.440(4)(c)1. FAC
Fecal Coliform (Basic disinfection)	Monthly Geo. Mean	62-600.440(4)(c)2. FAC
	90th Percentile	62-600.440(4)(c)3. FAC
Fecal Coliform Bacteria	Single Sample Max.	62-600.440(4)(c)4. FAC
pH	Minimum and Maximum	62-600.445 FAC
Total Residual Chlorine (For Disinfection)	Minimum	62-600.440(4)(b) FAC
Nitrate (as N)	Single Sample Max.	62-610.510 FAC
Monitoring Frequency and Sample Type	All Parameters	62-601 FAC & 62-699 FAC and/or BPJ of permit writer
Sampling Location	All Parameters	62-610.513 FAC
Footnotes:		
1. Secondary treatment and basic disinfection required pursuant to 62-610.410(1) FAC.		

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

**Other Limitations and Monitoring Requirements:**

<b>Parameter</b>	<b>Basis</b>	<b>Rationale</b>
Flow	Annual Average	62-600.400(3)(b)FAC
CBOD5	Monitor & Report	62-601.300(1)FAC
TSS	Monitor & Report	62-601.300(1)FAC

RESIDUALS MANAGEMENT

Class of residuals stabilization to be provided: B

Proposed method of residuals use or disposal: Transport to Lofton Oaks WWTP treatment facility

INDUSTRIAL PRETREATMENT REQUIREMENTS:

Not Applicable.

Notice Agency Action..... June 12, 1996

Proposed Effective Date of Permit..... June 12, 1996

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

**WHEN COMPLETED MAIL THIS REPORT TO:** Department of Environmental Protection Northeast District

Wastewater Facilities Mgmt, MS 3551,  
 PERMITTEE NAME: United Water Florida  
 MAILING ADDRESS: 1400 Millcoe Road  
 Jacksonville, Florida 32225

7825 Baymeadows Way, Jacksonville, FL 32256-7577

PERMIT NUMBER: FLA011675

MONITORING PERIOD--From:

To:

LIMIT: Final

REPORT: Monthly

CLASS SIZE: Minor

FACILITY ID: FLA011675

GROUP: DW

GMS ID NO.: 3145P00053

GMS TEST SITE NO.: 3145X10478

DISCHARGE POINT NUMBER: R001

WAFR SITE NO.: 26096

PLANT SIZE/TREATMENT TYPE: 3D

FACILITY: Amoco Service Station WWTP  
 LOCATION: State Road 200 At I-95  
 COUNTY: Nassau

Please read instructions before completing this form.

Parameter		Quantity or Loading			Quality or Concentration			No. Ex.	Frequency of Analysis	Sample Type
		Avg.	Max.	Units	Min.	Avg.	Max.			
Flow	Sample Measurement									
STORET No. 50053 G Mon. Site No. INF-1	Permit Requirement	.00336		mgd					Daily, 5/week	water meter
CBOD5	Sample Measurement									
STORET No. 80082 G Mon. Site No. INF-1	Permit Requirement					Report		mg/L	Monthly	Grab
CBOD5	Sample Measurement									
STORET No. 80082 1 Mon. Site No. EFA-1	Permit Requirement					20 Annual	60 Max.	mg/L	Monthly	Grab
TSS	Sample Measurement									
STORET No. 00530 G Mon. Site No. INF-1	Permit Requirement					Report		mg/L	Monthly	Grab
TSS	Sample Measurement									
STORET No. 00530 1 Mon. Site No. EFA-1	Permit Requirement					20 Annual	60 Max.	mg/L	Monthly	Grab
Fecal Coliform	Sample Measurement									
STORET No. 31616 1 Mon. Site No. EFA-1	Permit Requirement					200 Annual	800 Max.	#/100	Monthly	Grab

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein; and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

Name/Title of Principal Executive Officer or Authorized Agent (Type or Print)	Signature of Principal Executive officer Or Authorized Agent	Telephone No. (incl. area code)	Date (yy/mm/dd)

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

**WHEN COMPLETED MAIL THIS REPORT TO:** Department of Environmental Protection Northeast District

Wastewater Facilities Mgmt, MS 3551,  
 PERMITTEE NAME: United Water Florida  
 MAILING ADDRESS: 1400 Millcoe Road  
 Jacksonville, Florida 32225

7825 Baymeadows Way, Jacksonville, FL 32256-7577

PERMIT NUMBER: FLA011675

MONITORING PERIOD--From:

LIMIT: Final

CLASS SIZE: Minor

FACILITY ID: FLA011675

GMS ID NO.: 3145P00053

**DISCHARGE POINT NUMBER: R001**

PLANT SIZE/TREATMENT TYPE: 3D

To:

REPORT: Monthly

GROUP: DW

GMS TEST SITE NO.: 3145X10478

WAFR SITE NO.: 26096

FACILITY: Amoco Service Station WWTP  
 LOCATION: S.R. 200 At I-95  
 COUNTY: Nassau

Please read instructions before completing this form.

Parameter		Quantity or Loading			Quality or Concentration				No. Ex.	Frequency of Analysis	Sample Type
		Avg.	Max.	Units	Min.	Avg.	Max.	Units			
pH STORET No. 00400 1 Mon. Site No. EFA-1	Sample Measurement										
	Permit Requirement				6.0 Min.		8.5 Max.	std.		Daily 5/week	Grab
TRC STORET No. 50060 1 Mon. Site No. EFA-1	Sample Measurement										
	Permit Requirement				0.5 Min.			mg/L		Daily 5/week	Grab
Nitrate STORET No. 00620 1 Mon. Site No. EFA-1	Sample Measurement										
	Permit Requirement						12 Max.	mg/L		Monthly	Grab
STORET No. 1 Mon. Site No.	Sample Measurement										
	Permit Requirement										
STORET No. 1 Mon. Site No.	Sample Measurement										
	Permit Requirement										
STORET No. 1 Mon. Site No.	Sample Measurement										
	Permit Requirement										

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein; and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

Name/Title of Principal Executive Officer or Authorized Agent (Type or Print)	Signature of Principal Executive officer Or Authorized Agent	Telephone No. (incl. area code)	Date (yy/mm/dd)

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

## INSTRUCTIONS FOR MONITORING REPORT

### PART A - Discharge Monitoring Report

The report shall be completed and submitted for each discharge point, outfall, or testing site listed in the permit. Use additional sheets if necessary. Mail to Department of Environmental Protection at the address shown on the first page of report.

**Permittee Name/Address:** Complete the name as shown on the face of the permit. Complete the mailing address. Place a note beside the mailing address if the address has changed within the past month.

**Facility/Location:** Complete the name of the facility and the address or location of the facility.

**Permit Number:** This is the number of the permit issued to the permittee which contains the monitoring requirements in this report.

**Monitoring Period:** This is the period that the data on this report represents.

**Limit:** This is blank if the data represents interim limits on a facility under construction. If the data represents final limits achieved after construction, the word FINAL will be here.

**Class Size/Group:** The facility classification is either major or minor and the group is either industrial or domestic.

**Facility ID:** This is the identification number of the facility which was assigned by the Department at the time the facility was constructed.

**Discharge Point Number:** This is the number in the permit assigned to the outfall, discharge point, or test site from which this data was collected. Complete one of these reports for each outfall or discharge point from your facility.

**Plant Size/Treatment type:** If this facility is a domestic wastewater treatment facility, enter a one digit and one letter code to indicate the type of treatment and the plant size. First record the number from the chart below which represents the type of treatment provided by the facility. Then record the letter that indicates the permitted capacity (plant size) as shown on the chart below.

	Type of Treatment	Plant Size (mgd)			
		A	B	C	D
1	Activated Sludge, Attached Growth, or Combined Treatment systems that include nutrient removal processes (Nitrification alone is not considered nutrient removal.)	3.0	≥0.5 but <3.0	≥0.002 but <0.5	...
2	Activated Sludge or Combined Treatment systems that do not include removal processes	≥5.0	≥1.0 but <5.0	≥0.002 but <1.0	...
3	Activated Sludge operated in the extended aeration mode and oxidation ditches	≥8.0	≥2.0 but <8.0	≥0.025 but <2.0	≥0.002 but <0.025
4	Attached Growth Treatment systems (trickling filters or RBCs) that do not include nutrient removal processes	≥10.0	≥3.0 but <10.0	≥0.025 but <3.0	≥0.002 but <0.025

**Parameter:** This is the variable or substance which must be monitored.

**Sample Measurement:** The data which was collected and analyzed.

**Permit Requirement:** The limit from the permit for that parameter and measurement.

**Quantity or Loading:** The amount or mass of the parameter discharged during the reporting period in Average quantity discharged during the reporting period after adding each day of discharge, Maximum quantity discharged in the day with the highest amount, and the Unit of measurement (lbs, g, tons, etc.)

**Quality or Concentration:** The concentration of the parameter discharged during the reporting period in Minimum concentration during the reporting period, Average of all the measurements for the parameter during the reporting period, Maximum or highest concentration discharged during the reporting period, and the Unit of measurement (mg/L, ug/L, etc.)

**No. Ex.:** The number of sample measurements during the sampling period that exceeded the maximum (minimum or 7-day average, as appropriate) permit requirement for each parameter. If none, enter zero.

**Frequency of Analysis:** The number of times the measurement is required to be made by the permit and the number of times the measurement was made.

**Sample Type:** The type of sample (grab, composite, continuous) required to be taken by the permit and the type that was taken.

**Certificate, Signature:** This report must be signed in accordance with Rule 62-620.305, F.A.C. Type or print the name and title of the signing official. Include the telephone number where the official may be reached in the event there are questions concerning this report. Date when the report is signed.

**Comment and Explanation:** Use this area to explain any exceedances, any upset or by-pass events, or other items which require explanation.

### PART B - DAILY SAMPLE RESULTS

Complete one sheet for each outfall, discharge point, or test site where daily sampling is required by the permit. Record the results of daily monitoring for the parameters required to be sampled daily by your permit. Record the data in the units indicated. If there are no fecal coliforms detected, enter ND in the row labeled "fecal coliform." Use the blank rows as needed.

List the name, certificate number, and class of all state certified operators. Use additional sheets as necessary.

Enter the type of effluent disposal or reclaimed water reuse (surface water discharge, ocean outfall, slow rate land application-public access, slow rate land application-restricted public access, rapid rate land application, absorption field, underground injection).



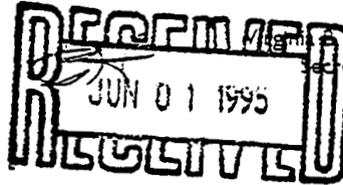


# Department of Environmental Protection

JAM- ORIGINAL  
STEVE M.  
TOM  
PLEASE COMPLY.  
6/1/95

Lawton Chiles  
Governor

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



Wetherell  
Secretary

May 26, 1995

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Mr. Philip Heil, Vice President  
Jacksonville Suburban Utilities Corp.  
Post Office Box 8004  
Jacksonville, Florida 32239

Dear Mr. Philip Heil:

- Re: Holly Oaks WWTF  
State I.D. 3116P00901, NPDES No. FL0023621
- Monterey WWTF  
State I.D. 3116P01316, NPDES No. FL0023604
- Ortega Hills WWTF  
State I.D. 3116P00334, NPDES No. FL0025828
- Royal Lakes WWTF  
State I.D. 3116P05360, NPDES No. FL0026751
- San Pablo WWTF  
State I.D. 3116P01984, NPDES No. FL0024767
- San Jose WWTF  
State I.D. 3116P01471, NPDES No. FL0023663

On May 1, 1995, the Florida Department of Environmental Protection (Department) was granted authority by the U.S. Environmental Protection Agency (EPA) to administer the National Pollutant Discharge Elimination System (NPDES) permitting program. Effective that date, the Department assumed permitting and enforcement authority for the NPDES permit(s) issued by EPA for point source discharges from your wastewater facility(ies) to waters of the United States. Also on May 1, the new wastewater permitting rule, Chapter 62-620, Florida Administrative Code, became effective. The rule applies to all state wastewater permitting and supercedes previous rule provisions.

Phillip Heil  
Page 2

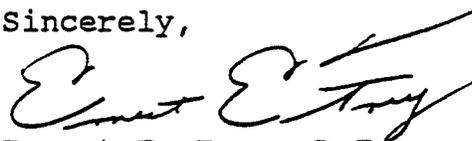
Pursuant to Rule 62-620.105(10), Florida Administrative Code (F.A.C.), the EPA-issued NPDES permit and State-issued wastewater permit for each facility are being combined into one document (Order). Enclosed is an Order identifying the Department as the permitting agency, providing the address to which your monitoring reports should be sent, and assigning a new permit number to this combined document. The permittee should affix the referenced individual permits to the enclosed Order(s) as Section I (Federal NPDES permit) and Section II (State issued permit). If you recently received an NPDES permit from EPA with an effective date later than May 1, 1995, you should also attach the newly issued permit. Duplicate permit conditions will be addressed upon renewal of this Order or, in the interim, upon a request by the permittee for a substantial revision under Rule 62-620.325, F.A.C.

Pursuant to Chapter 403.087, Florida Statutes, and Rule 62-4.052, F.A.C., an initial pro-rated regulatory program and surveillance fee is due July 30, 1995, for the facilities referenced above. Each year thereafter, the annual regulatory program and surveillance fee will be due January 15. Enclosed is a work sheet identifying the annual fee(s) applicable to your facility(ies) according to information on file at our office. If you have questions about these fees, please contact this office by June 20, 1995. Invoices for the initial annual fees will be mailed after that date.

Please note that the Department did not request authorization for the federal sewage sludge management program. The EPA will issue sludge only permits for facilities with NPDES permits containing sludge management related permit conditions.

If there are any questions about your monitoring requirements or the annual fees, please contact David Bolam, P.E. of my staff at telephone number (904) 448-4330 extension 340.

Sincerely,



Ernest E. Frey, P.E.  
Director of District Management

EEF/DJB/mkw  
Enclosures

cc: Daryll Joyner, DEP Tallahassee

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
NOTICE OF AGENCY ACTION

In the Matter of an Order for: WASTEWATER PERMIT  
NO. FL0026751

Mr. Philip Heil, Vice President  
Jacksonville Suburban Utilities Corp.  
Post Office Box 8004  
Jacksonville, Florida 32239  
Duval County

Pursuant to Rule 62-620.105(10)(a), Florida Administrative Code (F.A.C.), this order constitutes issuance of Wastewater Permit No. FL0026751 to Royal Lakes WWTF which combines NPDES permit FL0026751 (Section I) and State permit DO16-230626 (Section II). The NPDES permit in Section I is adopted under Section 403.0885, Florida Statutes (F.S.). The State permit in Section II remains in effect under Sections 403.087 and 403.088, F.S. This agency action combining these permits is limited to identifying the Department as the permitting agency, providing addresses to send monitoring reports, providing an expiration date, and assigning a new permit number.

All permit conditions of both sections remain in effect and are unchanged. All of the conditions in Sections I and II are enforceable under Chapter 403, F.S. In addition, the conditions in Section I are enforceable under the Federal Clean Water Act by the Environmental Protection Agency.

The permittee shall continue all monitoring required by both sections of this Order. Monitoring required under Section I shall continue to be reported on EPA form 3320-1. EPA form 3320-1 for the months of April, May, and June shall be sent to the EPA. Effective with the report for the month of July 1995, the permittee shall submit EPA form 3320-1 to the Department of Environmental Protection, Mail Station 3551, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400. All monitoring required under Section II shall continue to be reported on the forms required in Section II, but shall be sent to the Department at this Tallahassee address rather than to the District Office. Other than the monitoring reports for April - June, all correspondence and requests regarding Section I of this wastewater permit should be directed to this office beginning immediately.

In accordance with Rule 62-620.105, F.A.C., this Order expires on January 31, 1998 unless revised under Rule 62-620.325, F.A.C., or renewed under Rule 62-620.335, F.A.C.

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

- (a) The name, address, and telephone number of each petitioner, the permittee's name and address, the Department Permit number, and the county in which the project is located;
- (b) A statement of how and when each petitioner received notice of the Department's action or proposed action;
- (c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action;
- (d) A statement of the material facts disputed by Petitioner, if any;
- (e) A statement of facts which petitioner contends warrant reversal or modification of the Department's action or proposed action;
- (f) A statement of which rules or statutes petitioner contends require reversal or modification of the Department's action or proposed action; and
- (g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.

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

This Order is final and effective on the date filed with the Clerk of the Department unless a petition is filed in accordance with the above paragraphs or unless a request for extension of time in which to file a petition is filed within the time



ANNUAL FEE WORKSHEET  
Domestic Wastewater

Facility Name: Royal Lakes Subdivision

I.D.#: FL0026751 DEP District: Northeast

=====  
PART I. Regular Surface Water Discharge

Scenario A:

1. Permitted Capacity of Surface Water Discharge (mgd): 3.250
2. Permitted Reuse Capacity for which surface water discharge serves as back-up: \_\_\_\_\_
3. 70% of Permitted Reuse Capacity from 2. \_\_\_\_\_
4. Adjusted Surface Water Discharge Permitted Capacity (Item 1 minus Item 3). 3.250
5. Annual Fee for the capacity in item 4. \$6,250.00

Scenario B:

1. UIC disposal with discharge authorized during Mechanical Integrity Test only, or percolation pond disposal with discharge authorized after specified storm events only, enter \$200 \$ \_\_\_\_\_

=====  
PART II. Pretreatment

If this facility has an approved pretreatment program enter \$500. \$ \_\_\_\_\_

=====  
PART III. Stormwater-only Outfalls

Number of Stormwater-only outfalls regulated in the NPDES permit. \_\_\_\_\_

Enter the amount equal to the number of Stormwater-only outfalls times \$200. \$ \_\_\_\_\_

=====  
PART IV. Total Calculated Fee

TOTAL ANNUAL FEE (Sum of PART I fee from Scenario A or B, plus Parts II and III.) \$6,250.00

-----  
Note: The annual fee will be the lesser of the amount in Part IV or the Statutory Cap of \$7,500.



File

United Water Florida  
1400 Millcoe Road  
PO Box 8004  
Jacksonville, FL 32239-8004  
telephone 904 721 4600  
facsimile 904 721 4680

82

October 20, 1995

Ms. Ha Nguyen, Engineer  
Florida Department of Environmental Protection  
Northeast District  
7825 Baymeadows Way, Suite B200  
Jacksonville, Florida 32256-7590

Re: Duval County - Domestic Waste  
Royal Lakes WWTP

Dear Ms. Nguyen:

In response your letter of September 7, 1995, received September 13, 1995 concerning several deficiencies noted in the inspections conducted July 24, 1995 by Department personnel we submit the following:

Records & Reports

1. United Water maintenance personnel operate out of the administrative office located at 1400 Millcoe Road in Jacksonville. Operation and Maintenance Manuals for referenced facility are kept at that location. A copy of the manual will be forwarded to the facility for on site reference.

Operations & Maintenance

1. The weirs are routinely cleaned (once per week) of any accumulated grease or old sludge.

File Review

1. As stated above a copy of the O & M manual will be available at the facility.
2. The location of final effluent composite sampling is the tank at the end of the chlorine contact chamber where the two parallel trains combine.
3. As noted above the clarifier weirs are cleaned on a weekly basis.

We are also in receipt of your letter of September 14, 1995 concerning presence of silver in the effluent. After reviewing the data we are unclear as to the location of the samples which showed silver. We request that you provide to us details as to the location of the sample points. With this information we propose to collect three monthly samples and perform analyses for silver. We would like to split samples with the Department. We request the Department's concurrence with this plan. Please note that EPA has stated bioavailability and toxicity vary with the form of a metal in the effluent. (Interim Guidance on Interpretation and Implementation

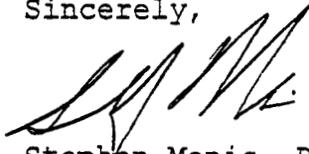
Ms. Nguyen  
October 20, 1995  
Page Two

of Aquatic Life Criteria for Metals. Health and Ecological Criteria Division, Office of Science and Technology, U.S. Environmental Protection Agency. Washington, D.C. May 1992). We request that any analysis of this data take into consideration the bioavailability of silver in wastewater effluent.

With respect to determining the source of silver, we feel this is outside the jurisdiction of United Water Florida. UWF performs, on an ongoing basis, community education programs and bill stuffers to educate customers on materials which should not be disposed of in sanitary sewers that may cause toxicity in the wastewater.

We trust the responses to you comments are satisfactory. Should you have any question or require additional information please contact me at 721-4610.

Sincerely,



Stephen Manis, P.E.  
Senior Project Engineer

SVM/

cc: Richard Hensch  
Don Hoven  
Philip Heil  
M. Sambamurthi ✓  
Tom Griffis  
Scott Turner

October 12, 1995

Mr. Frank Watkins  
FDEP - Jacksonville  
7825 Baymeadows Way, Suite B-200  
Jacksonville, Florida 32256-7577

Subject: Installation Chlorine Gas Detector

Dear Mr. Watkins:

This will confirm our telephone conversation this date concerning the installation of gas detectors at wastewater treatment plants owned and operated by United Water Florida. As per our conversation, the installation of these devices are considered a safety feature and does not require a permit from FDEP/HRS.

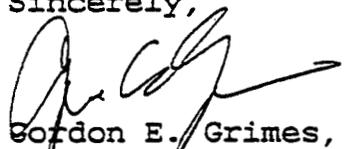
For your files we plan to install the detectors at the following WWTP facilities.

- Royal Lakes           D016-230626
- San Jose               D016-246674
- Ponce de Leon       D055-253570
- Ponte Vedra N.       D055-185100
- Holly Oaks            D016-229843
- Ortega Hills          D016-163619

*copy to Forest Point Group.*

We greatly appreciate your cooperation in this matter.

Sincerely,



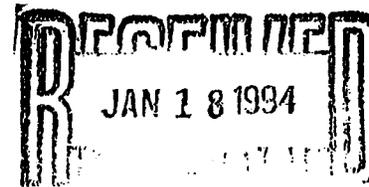
Gordon E. Grimes, P.E.  
Senior Project Engineer

GEG/m

U.S. Environmental Protection Agency  
National Pollutant Discharge Elimination System (NPDES)  
~~STORM WATER GENERAL PERMIT COVERAGE NOTICE~~

STEVE Y  
MONTEREY

December 16, 1993



FLORIDA DISTRICT

Dear Operator:

Your Notice of Intent (NOI) for the facility noted below has been processed by the U.S. Environmental Protection Agency. This facility is authorized to discharge storm water associated with industrial or construction activity under the terms and conditions imposed by EPA's NPDES storm water general permit issued for use in the state of Florida. Your facility's NPDES storm water permit number is FLR00B277.

EPA's storm water general permit requires certain storm water pollution prevention and control measures, possible monitoring and reporting, and annual inspections. Among the conditions and requirements of this permit, you must prepare and implement a pollution prevention plan (PPP) that is tailored to your industrial or construction site. Enclosed is a summary guidance document designed to assist you in the development and implementation of your PPP. The summary is organized according to the phases of the pollution prevention planning process. A set of worksheets and an example of a pollution prevention plan are provided for your assistance. As a facility authorized to discharge under this storm water general permit, all terms and conditions must be complied with to maintain coverage and avoid possible penalties.

FACILITY:

-----  
Monterey Wwtp  
5802 Harris St  
Jacksonvil, FL 32211-  
301950, 813604

OPERATOR:

-----  
Jacksonville Sub Utilities Co  
1400 Millcoie Rd  
Jacksonville, FL 32225-

If you have general questions concerning the storm water program, or need to obtain a copy of the permit, please call the Storm Water Hotline at (703) 821-4823.

## NOTICES SUBMITTED TO THE DEPARTMENT

Your are required to submit the attached Notices to the Department at the times indicated. Failure to submit these notices will constitute noncompliance with conditions of your permit.

Construction Commencement Notice  
Form 62-343.900(3)

To be submitted 48 hours prior to the commencement of the activity.

Annual Status Report Form  
Form 62-343.900(4)

To be submitted annually each JUNE whenever the construction period exceeds one year.

As-Built Certification by a Registered Professional  
Form 62-343.900(5)

To be submitted within 30 days after completion of construction. In some cases, such as in the case of a single family resident constructing a structure on his/her own property for his/her own purposes certification by a registered professional is NOT required. However, written notice to the Department within 30 days of completion of construction of the completion date, together with copy of the permit drawings reflecting the as-built structure IS required. If you have questions concerning the requirement, please contact the Department.

Inspection Certification  
Form 62-343.900(6)

To be submitted within 30 days after completion of construction. MSSW projects only.

Request for Transfer or  
Form 62-343.900(7)

To be submitted following inspection and approval of permitted system. MSSW only.

Application for transfer of Permit

To be submitted within 30 days of any sale, conveyance, or other transfer of ownership or control of the permitted system or real property at which the system is located.

### SUBMIT ALL NOTICES TO:

DEPARTMENT OF ENVIRONMENTAL PROTECTION  
SUBMERGED LANDS AND ENVIRONMENTAL RESOURCES  
ATTN: DAVID P. APPLE, P.E.  
7825 BAYMEADOWS WAY, SUITE B-200  
JACKSONVILLE FL 32256

Form #62-343.900(3), F.A.C.  
Form Title: Construction  
Commencement Notice  
Date: October 3, 1995

**ENVIRONMENTAL RESOURCE PERMIT  
Construction Commencement Notice**

PROJECT: \_\_\_\_\_ PHASE: \_\_\_\_\_

I hereby notify the Department of Environmental Protection that the construction of the surface water management system authorized by Environmental Resource Permit No. \_\_\_\_\_ has commenced / is expected to commence on \_\_\_\_\_ 199\_\_, and will require a duration of approximately \_\_\_\_\_ months \_\_\_\_\_ weeks \_\_\_\_\_ days to complete. It is understood that should the construction term extend beyond one year, I am obligated to submit the Annual Status Report for Surface Water Management System Construction.

PLEASE NOTE: If the actual construction commencement date is not known, Department staff should be so notified in writing in order to satisfy permit conditions.

_____ Permittee or Authorized Agent	_____ Title and Company	_____ Date
_____ Phone	_____ Address	

Form # 62-343.900(4), F.A.C.  
Form Title: Annual Status Report  
Date: October 3, 1995

## ENVIRONMENTAL RESOURCE PERMIT ANNUAL STATUS REPORT FORM

Florida Department of Environmental Protection

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Permit No. \_\_\_\_\_

County: \_\_\_\_\_

Project Name: \_\_\_\_\_

Phase: \_\_\_\_\_

The following activity has occurred at the above referenced project during the past year, between June 1, 19\_\_ and May 30, 19\_\_.

Permit Condition / Activity	% of Completion	Date of anticipated Completion	Date of Completion
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

(Use Additional Sheets As Necessary)

Benchmark Description (one per major control structure):

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
Print Name

\_\_\_\_\_  
Phone

\_\_\_\_\_  
Permittee's or Authorized  
Agent's Signature

\_\_\_\_\_  
Title and Company

\_\_\_\_\_  
Date

This form shall be submitted to the above referenced Department Office during June of each year for activities whose duration of construction exceeds one year.

Form #62-343.900(5), F.A.C.  
Form Title: As-Built Certification  
by a Registered Professional  
Date: October 3, 1995

**ENVIRONMENTAL RESOURCE PERMIT  
AS-BUILT CERTIFICATION BY A REGISTERED PROFESSIONAL**

Permit Number: \_\_\_\_\_

Project Name: \_\_\_\_\_

I hereby certify that all components of this surface water management system have been built substantially in accordance with the approved plans and specifications and are ready for inspection. Any substantial deviations (noted below) from the approved plans and specifications will not prevent the system from functioning as designed when properly maintained and operated. These determinations are based upon on-site observation of the system conducted by me or by my designee under my direct supervision and/or my review of as-built plans certified by a registered professional or other appropriate individual as authorized by law.

\_\_\_\_\_  
Name (please print)

\_\_\_\_\_  
Signature of Professional

\_\_\_\_\_  
Company Name

\_\_\_\_\_  
Florida Registration Number

\_\_\_\_\_  
Company Address

\_\_\_\_\_  
Date

\_\_\_\_\_  
City, State, Zip Code

\_\_\_\_\_  
Telephone Number

(Affix Seal)

Substantial deviations from the approved plans and specifications:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

(Note: attach two copies of as-built plans when there are substantial deviations)

Within 30 days of completion of the system, submit two copies of the form to:

DEPT. OF ENVIRONMENTAL PROTECTION  
ATTN: DAVID P. APPLE, P.E.  
7825 BAYMEADOWS WAY, SUITE B-200  
JACKSONVILLE, FL 32256-7590

## ENVIRONMENTAL RESOURCE PERMIT INSPECTION CERTIFICATION

Permit Number: \_\_\_\_\_

Project Name: \_\_\_\_\_

Inspection Date(s): \_\_\_\_\_

Inspection Results: (check one)

\_\_\_\_ I hereby certify that I or my designee under my direct supervision have inspected the system at the above referenced project and that the system appears to be functioning in accordance with the requirements of the permit and Chapter 373 F.S. (as applicable).

\_\_\_\_ The following necessary maintenance was conducted:

\_\_\_\_ I hereby certify that I or my designee under my direct supervision has inspected the system at the above referenced project and that the system does not appear to be functioning in accordance with the requirements of the permit and Chapter 373 F.S. (as applicable). I have informed the operation and maintenance entity of the following: (a) that the system does not appear to be functioning properly, (b) that maintenance is required to bring the system into compliance, and (c) if maintenance measures are not adequate to bring the system into compliance, the system may have to be replaced or an alternative design constructed subsequent to Department approval.

\_\_\_\_\_  
Name (please print)

\_\_\_\_\_  
Signature of Professional Engineer

\_\_\_\_\_  
Company Name

\_\_\_\_\_  
Florida Registration Number

\_\_\_\_\_  
Company Address

\_\_\_\_\_  
Date

\_\_\_\_\_  
City, State, Zip Code

\_\_\_\_\_  
Telephone Number

(Affix Seal)

Within 30 days of completion of the inspection, submit two copies of this form to the following Department Office:

DEPT. OF ENVIRONMENTAL PROTECTION  
ATTN: DAVID P. APPLE, P.E.  
7825 BAYMEADOWS WAY, SUITE B-200  
JACKSONVILLE, FL 32256-7590

## REQUEST FOR TRANSFER OF ENVIRONMENTAL RESOURCE PERMIT CONSTRUCTION PHASE TO OPERATION PHASE

(To be completed and submitted by the operating entity)

Florida Department of Environmental Protection

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

It is requested that Department Permit No. \_\_\_\_\_ authorizing the construction and operation of a surface water management system for the below mentioned project be transferred from the construction phase permittee to the operation phase operating entity.

PROJECT: \_\_\_\_\_

FROM: Name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_

Zipcode: \_\_\_\_\_

TO: Name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_

Zipcode: \_\_\_\_\_

The surface water management facilities are hereby accepted for operation and maintenance in accordance with the engineers certification and as outlined in the restrictive covenants and articles of incorporation for the operating entity. Enclosed is a copy of the document transferring title of the operating entity for the common areas on which the surface water management system is located. Note that if the operating entity has not been previously approved, the applicant should contact the Department staff prior to filing for a permit transfer.

The undersigned hereby agrees that all terms and conditions of the permit and subsequent modifications, if any, have been reviewed, are understood and are hereby accepted. Any proposed modifications shall be applied for and obtained prior to such modification.

Operating Entity \_\_\_\_\_

Name \_\_\_\_\_

Title \_\_\_\_\_

Telephone \_\_\_\_\_

Enclosure:

- Copy of recorded transfer of title surface water management system
- Copy of plat(s)
- Copy of recorded restrictive covenants, articles of incorporation, and certificate of incorporation

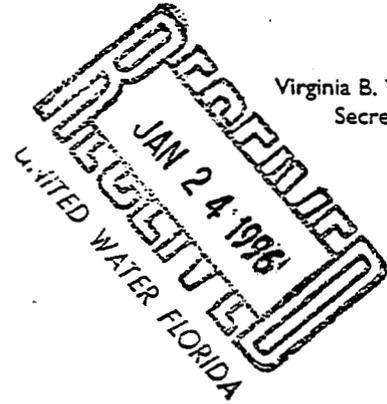


# Department of Environmental Protection

Lawton Chiles  
Governor

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

Virginia B. Wetherell  
Secretary



## NOTE

PLEASE BE SURE THAT YOU  
ADHERE TO SPECIFIC CONDITION  
NUMBERS 6 AND 17

PERMITTEE: United Water Florida/Monterev Wastewater Treatment Plant

PERMIT NO.: ERP 16 - 277893



STATE OF FLORIDA  
DEPARTMENT OF HEALTH AND  
REHABILITATIVE SERVICES  
District Four

LAWTON CHILES, GOVERNOR

**HRS Duval County Public Health Unit**

515 West Sixth Street  
Jacksonville, Florida 32206



G. W. C.  
RECEIVED  
JUL 06 1993  
FLORIDA DISTRICT

ED AUSTIN, MAYOR

NOTICE OF PERMIT ISSUANCE

CERTIFIED - RETURN RECEIPT # P 716 261 000

Mr. Philip Heil, Vice President  
Jacksonville Suburban Utilities Corporation  
644 Cesery Blvd., Suite 108  
Jacksonville, Florida 32211

Dear Mr. Heil:

Duval County - Potable Water  
Public "Community" Water Treatment Plant  
Elvia Water Treatment Plant Rehabilitation  
7755 Elvia Drive  
Jacksonville, Florida

Enclosed is Permit No. 1693-WD-2785 dated July 2, 1993, to construct the subject project, issued pursuant to Section(s) 403.087, Florida Statutes.

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

The Petition shall contain the following information:

- (a) The name, address, and telephone number of each petitioner, the applicant's name and address, the HRS/Duval County Public Health Unit (DCPHU) Permit File Number and the county in which the project is proposed;
- (b) A statement of how and when each petitioner received notice of the HRS/DCPHU's action or proposed action;

- (c) A statement of how and when each petitioner's substantial interests are affected by the HRS/DCPHU's action or proposed action;
- (d) A statement of the material facts disputed by Petitioner, if any;
- (e) A statement of facts which petitioner contends warrant reversal or modification of the HRS/DCPHU's action or proposed action;
- (f) A statement of which rules or statutes petitioner contends require reversal or modification of the HRS/DCPHU's action or proposed action;
- (g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department of Environmental Regulation to take with respect to the HRS/DCPHU's action or proposed action.

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

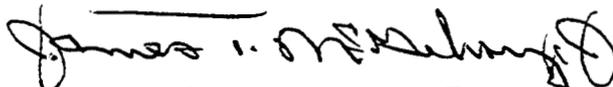
This permit is final and effective on the date filed with the Clerk of the HRS/DCPHU unless a petition is filed in accordance with the above paragraphs or unless a request for extension of time in which to file a petition is filed within the time specified for filing a petition and conforms to Rule 17-103.070, F.A.C. Upon timely filing of a petition or a request for and extension of time this permit will not be effective until further Order of the HRS/DCPHU.

When the Order (Permit) is final, any party to the Order has the right to seek judicial review of the Order pursuant to Section 120.68, Florida Statutes, by filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate procedure with the Clerk of the Department of Environmental Regulation in the Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32399-

2400; and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed with the Clerk of the Department of Environmental Regulation.

Executed in Jacksonville, Florida.

STATE OF FLORIDA HRS/DUVAL  
COUNTY PUBLIC HEALTH UNIT



James T. McGibony, Jr.  
Administrator

JTM/TRH/tkf

Copies furnished to:

Mr. Jerry M. Owen, P. E.  
Department of Environmental Regulation  
Mr. Stephen Manis, P. E.  
Jacksonville Suburban Utilities Corp.

CERTIFICATE OF SERVICE

This is to certify that this NOTICE OF PERMIT and all copies were mailed before the close of business on July 6, 1993 to the listed persons.

FILING AND ACKNOWLEDGEMENT  
FILED, on this date, pursuant to S120.52 Florida  
Statutes, with the designated Department Clerk,  
receipt, or which is hereby acknowledged.

Jerry Foreman 7/6/93  
Clerk Date



STATE OF FLORIDA  
DEPARTMENT OF HEALTH AND  
REHABILITATIVE SERVICES

District Four

LAWTON CHILES, GOVERNOR

**HRS Duval County Public Health Unit**  
515 West Sixth Street  
Jacksonville, Florida 32206



ED AUSTIN, MAYOR

**PERMITTEE:**

Mr. Philip Heil, Vice President  
Jacksonville Suburban Utilities  
Corporation - 644 Cesery Blvd,  
Suite 108  
Jacksonville, Florida 32211

Permit/Cert Number: 1693-WD-2785

Date of Issue: July 2, 1993

Expiration Date: July 2, 1994

County: Duval

Lat/Long: 30°21'04"N/81°34'00"W

Section/Township/Range: 11/2S/27E

Project: Public "Community" Water  
Treatment Plant - Elvia Water  
Treatment Plant Rehabilitation -  
7755 Elvia Street - Jacksonville,  
Florida

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rule(s) 17-555 (formerly 17-22). The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the HRS/DCPHU and made a part hereof and specifically described as follows:

Modifications to the Elvia Water Treatment Plant including new 1,500 gpm well pump, two (2) 600 gpm high service pumps, one (1) 1,000 gpm high service pump, new pump house, new chlorination facility and associated piping.

PERMITTEE: Philip Heil, Vice Permit/Cert Number: 1693-WD-2785  
President, Jacksonville Suburban Date of Issue: July 2, 1993  
Utilities Corporation Expiration Date: July 2, 1994

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions" and as such are binding upon the permittee and enforceable pursuant to the authority of Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is hereby placed on notice that the HRS/DCPHU will review this permit periodically and may initiate enforcement action for any violation of the "Permit Conditions" by the permittee, its agents, employees, servants, or representatives.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department of Environmental Regulation.
3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Nor does it authorized any injury to public or private property or any invasion of personal rights, nor any infringement of Federal, state or local laws or regulations. This permit does not constitute a waiver of or approval of any other Department of Environmental Regulation permit that may be required for other aspects of the total project which are not addressed in the permit.
4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the state. Only the Trustees of the Internal Improvement Trust Fund may express state opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, plant or aquatic life or property and penalties therefore 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 the Department of Environmental Regulation rules, unless specifically authorized by an order from the Department of Environmental Regulation.
6. The permittee shall at all times properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by the Department of Environmental Regulation rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by the Department of Environmental Regulation rules.

PERMITTEE: Philip Heil, Vice Permit/Cert Number: 1693-WD-2785  
President, Jacksonville Suburban Date of Issue: July 2, 1993  
Utilities Corporation Expiration Date: July 2, 1994

7. The permittee, by accepting this permit, specifically agrees to allow authorized HRS/DCPHU personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:

- a. Having access to and copying any records that must be kept under the conditions of the permit;
- b. Inspecting the facility, equipment, practices, or operations regulated or required under this permit; and
- c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or the Department of Environmental Regulation rules.

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

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

- a. A description of and cause of non-compliance; and
- b. The period of non-compliance, including exact dates and times; or, if not corrected, the anticipated time the non-compliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the non-compliance.

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department of Environmental Regulation for penalties or revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source, which are submitted to the HRS/DCPHU, may be used by the Department of Environmental Regulation as evidence in any enforcement case arising under the Florida Statutes or the Department of Environmental Regulation rules, except where such use is proscribed by Sections 403.73 and 403.111, Florida Statutes.

10. The permittee agrees to comply with changes in the Department of Environmental Regulation 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 the Department of Environmental Regulation rules.

PERMITTEE: Philip Heil, Vice Permit/Cert Number: 1693-WD-2785  
President, Jacksonville Suburban Date of Issue: July 2, 1993  
Utilities Corporation Expiration Date: July 2, 1994

11. This permit is transferable only upon HRS/DCPHU approval in accordance with Florida Administrative Code Rules 17-4.12 and 27-30.30, as applicable the permittee shall be liable for any noncompliance of the permitted activity until the transfer is approved by the HRS/DCPHU.

12. This permit is required to be kept at the work site of the permitted activity during the entire period of construction or operation.

13. This permit also constitutes:

- ( ) Determination of Best Available Control Technology (BAC)
- ( ) Determination of Prevention of Significant Deterioration (PSD)
- ( ) Certification of Compliance with State Water Quality Standards (Section 401, FL 92-500)
- ( ) Compliance with New Source Performance Standards

14. The permittee shall comply with the following monitoring and record keeping requirement:

- a. Upon request, the permittee shall furnish all records and plans required under the Department of Environmental Regulation rules. The retention period for all records will be extended automatically, unless otherwise stipulated by the Department of Environmental Regulation during the course of any unresolved enforcement action.
- b. The permittee shall retain at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation), copies of all reports required by this permit, and records of all data used to complete the application for this permit. The time period of retention shall be at least three years from the date of the sample, measurement, report or application unless otherwise specified by the Department of Environmental Regulation rule.
- c. Records of monitoring information shall include:
  - the date, exact place, and time of sampling or measurements;
  - the person responsible for performing the sampling or measurements;
  - the date(s) analyses were performed;
  - the person responsible for performing the analyses;

PERMITTEE: Philip Heil, Vice      Permit/Cert Number: 1693-WD-2785  
President, Jacksonville Suburban      Date of Issue: July 2, 1993  
Utilities Corporation      Expiration Date: July 2, 1994

- the analytical techniques or methods used; and
- the results of such analyses.

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

**SPECIFIC CONDITIONS:**

1. This approval is given with the understanding that upon the installation of such work its operations shall be placed under the care of a competent person, whose qualifications are approved by the Department of Environmental Regulation and the operation shall be carried out according to best accepted practice and in accordance with the requirements of the rules and regulations of the Department of Environmental Regulation. This includes not only the provision of continuing essential funds for operation and maintenance of chemical supplies for plant operation; but also the funds of maintenance of equipment and supplying the needs of a suitable water plant laboratory which is required for proper operation of this water treatment facility.
2. Water supply facilities including mains shall be installed, cleaned, disinfected and bacteriologically cleared for service; in accordance with the latest applicable AWWA Standards and the Department of Environmental Regulation.
3. Minimum 10 foot horizontal separation must be maintained between any type of sewage and water main in parallel installation. Exceptions can be considered in accordance with DER Technical Guidance Memorandum dated July 17, 1991. Ten State Standards 8.6.2, 8.6.4 and 8.6.5.
4. Minimum 18 inch vertical clearance must be maintained between any type of sewer and water main crossing. Exceptions can be considered in accordance with DER Technical Guidance Memorandum dated July 17, 1991. Ten State Standards 8.6.3, 8.6.4 and 8.6.5.
5. Certification as to construction of this project in accordance with the approved plans by a Florida Registered Professional Engineer together with satisfactory bacteriological analyses shall be provided and a letter of clearance obtained from this Agency before placing these facilities in service.

PERMITTEE: Philip Heil, Vice Permit/Cert Number: 1693-WD-2785  
President, Jacksonville Suburban Date of Issue: July 2, 1993  
Utilities Corporation Expiration Date: July 2, 1994

6. All PVC pipe shall bear the National Sanitation Foundation (NSF) seal of approval for potable water pipe.

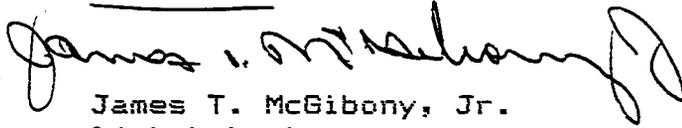
7. The gas chlorination equipment shall have an alarm that uses high and low vacuum switches or an automatic chlorine residual analyzer/recorder with a high and low chlorine residual alarm. To ensure that only valid conditions sound the alarm, a device, such as a time delay relay, shall be installed to filter out or suppress short duration high or low peaks of vacuum pressure or chlorine residual. The alarm shall sound when any of the following conditions exists:

- a. empty chlorine cylinder,
- b. chlorine booster pump not operating,
- c. broken chlorine solution feed line,
- d. clogged chlorine solution feed line,
- e. chlorine regulator failure,
- f. clogged chlorine ejector,
- g. chlorine gas leak.

8. The auxiliary power provided for the water treatment plant shall be dedicated only to the water treatment plant.

Issued this 2nd day of July, 1993

STATE OF FLORIDA HRS/DUVAL  
COUNTY PUBLIC HEALTH UNIT

  
James T. McGibony, Jr.  
Administrator

JTM/TRH/tkf

Jerry M. Owen, P. E.  
Department of Environmental Regulation  
Mr. Stephen Manis, P. E.  
Jacksonville Suburban Utilities Corp.

*James T. Howell* *JTB*



Lawton Chiles  
Governor

James T. Howell, M.D., M.P.H.  
Secretary

NOTICE OF PERMIT ISSUANCE

**RECEIVED**

DEC 10 1997

UNITED WATER FLORIDA

CERTIFIED - RETURN RECEIPT # P 394 241 068

Mr. Munipalli Sambamurthi, P. E.,  
Manager/Vice President  
United Water Florida Inc.  
1400 Millcoe Road  
Jacksonville, Florida 32225

Dear Mr. Sambamurthi:

Duval County - Potable Water  
Community Water Treatment Plant  
Monument Road Water Treatment Plant Improvements ←

Enclosed is Permit No. 1697-WD-3994 dated December 5, 1997, to construct the subject project, issued pursuant to Section(s) 403.087, Florida Statutes.

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

The Petition shall contain the following information:

- (a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department of Health/Duval County Health Department (DOH/DCHD) Permit File Number and the county in which the project is proposed;
- (b) A statement of how and when each petitioner received notice of the DOH/DCHD's action or proposed action;

**Duval County Health Department**

Environmental Health/Engineering Division • 900 University Blvd. N., Suite 300 • Jacksonville, Florida • 32211 • (904) 630-3272  
FAX (904) 745-3026

*In partnership with the City of Jacksonville*

- (c) A statement of how and when each petitioner's substantial interests are affected by the DOH/DCHD's action or proposed action;
- (d) A statement of the material facts disputed by Petitioner, if any;
- (e) A statement of facts which petitioner contends warrant reversal or modification of the DOH/DCHD's action or proposed action;
- (f) A statement of which rules or statutes petitioner contends require reversal or modification of the DOH/DCHD's action or proposed action;
- (g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department of Environmental Protection to take with respect to the DOH/DCHD's action or proposed action.

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

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

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

Permit No. 1697-WD-3994  
Page Three

Executed in Jacksonville, Florida.

STATE OF FLORIDA DOH/DUVAL  
COUNTY HEALTH DEPARTMENT



Jeffrey L. Goldhagen, M.D., M.P.H.  
Director

JLG/TRH/TJT/tkf

Copies furnished to:

Robert L. Bates, Jr., P.E.  
Robert Bates & Associates, Inc.  
2715 Oak Street  
Jacksonville, Florida 32205

CERTIFICATE OF SERVICE

This is to certify that this NOTICE OF PERMIT and all copies were mailed before the close of business on December 11, 1997 to the listed persons.

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

Jerry Foreman 12/11/97  
Clerk Date



Lawton Chiles  
Governor

James T. Howell, M.D., M.P.H.  
Secretary

PERMITTEE:  
Mr. Munipalli Sambamurthi, P. E.,  
Manager/Vice President  
United Water Florida Inc.  
1400 Millcoe Road  
Jacksonville, Florida 32225

Permit/Cert Number: 1697-WD-3994  
Date of Issue: December 5, 1997  
Expiration Date: December 5, 1999  
County: Duval  
Lat/Long: N/A  
Section/Township/Range: 06/2S/28E  
Project: Community Water Treatment Plant for  
Monument Road Water Treatment Plant  
Improvements

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rule(s) 62-555 (formerly 17-22). The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the DOH/DCHD and made a part hereof and specifically described as follows:

To install a new 500,000 gallon ground storage tank, 200 ft. of C900 PVC connecting mains, and associated valves, controls, fittings, and yard piping.

**Duval County Health Department**

PERMITTEE: Munipalli Sambamurthi, P. E., - Permit/Cert Number: 1697-WD-3994  
Manager/Vice President - United Water Florida Inc. Date of Issue: December 5, 1997  
1400 Millcoe Road, Jacksonville, Florida 32225 Expiration Date: December 5, 1999

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions" and as such are binding upon the permittee and enforceable pursuant to the authority of Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is hereby placed on notice that the DOH/DCHD will review this permit periodically and may initiate enforcement action for any violation of the "Permit Conditions" by the permittee, its agents, employees, servants, or representatives.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department of Environmental Protection.
3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Nor does it authorized any injury to public or private property or any invasion of personal rights, nor any infringement of Federal, state or local laws or regulations. This permit does not constitute a waiver of or approval of any other Department of Environmental Protection permit that may be required for other aspects of the total project which are not addressed in the permit.
4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the state. Only the Trustees of the Internal Improvement Trust Fund may express state opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, plant or aquatic life or property and penalties therefore 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 the Department of Environmental Protection rules, unless specifically authorized by an order from the Department of Environmental Protection.
6. The permittee shall at all times properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by the Department of Environmental Protection rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by the Department of Environmental Protection rules.

PERMITTEE: Munipalli Sambamurthi, P. E., -  
Manager/Vice President - United Water Florida Inc.-  
1400 Millcoe Road, Jacksonville, Florida 32225

Permit/Cert Number: 1697-WD-3994  
Date of Issue: December 5, 1997  
Expiration Date: December 5, 1999

7. The permittee, by accepting this permit, specifically agrees to allow authorized DOH/DCHD personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:

- a. Having access to and copying any records that must be kept under the conditions of the permit;
- b. Inspecting the facility, equipment, practices, or operations regulated or required under this permit; and
- c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or the Department of Environmental Protection rules.

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

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

- a. A description of and cause of non-compliance; and
- b. The period of non-compliance, including exact dates and times; or, if not corrected, the anticipated time the non-compliance is expected to continue, and steps being taken to reduce, eliminate; and prevent recurrence of the non-compliance.

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department of Environmental Protection for penalties or revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source, which are submitted to the DOH/DCHD, may be used by the Department of Environmental Protection as evidence in any enforcement case arising under the Florida Statutes or the Department of Environmental Protection rules, except where such use is proscribed by Sections 403.73 and 403.111, Florida Statutes.

10. The permittee agrees to comply with changes in the Department of Environmental Protection 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 the Department of Environmental Protection rules.

PERMITTEE: Munipalli Sambamurthi, P. E., -  
Manager/Vice President - United Water Florida Inc.-  
1400 Millcoe Road, Jacksonville, Florida 32225

Permit/Cert Number: 1697-WD-3994  
Date of Issue: December 5, 1997  
Expiration Date: December 5, 1999

11. This permit is transferable only upon DOH/DCHD approval in accordance with Florida Administrative Code Rules 62-4.12 and 27-30.30, as applicable the permittee shall be liable for any noncompliance of the permitted activity until the transfer is approved by the DOH/DCHD.

12. This permit is required to be kept at the work site of the permitted activity during the entire period of construction or operation.

13. This permit also constitutes:

- ( ) Determination of Best Available Control Technology (BAC)
- ( ) Determination of Prevention of Significant Deterioration (PSD)
- ( ) Certification of Compliance with State Water Quality Standards (Section 401, PL 92-500)
- ( ) Compliance with New Source Performance Standards

14. The permittee shall comply with the following monitoring and record keeping requirement:

- a. Upon request, the permittee shall furnish all records and plans required under the Department of Environmental Protection rules. The retention period for all records will be extended automatically, unless otherwise stipulated by the Department of Environmental Protection during the course of any unresolved enforcement action.
- b. The permittee shall retain at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation), copies of all reports required by this permit, and records of all data used to complete the application for this permit. The time period of retention shall be at least three years from the date of the sample, measurement, report or application unless otherwise specified by the Department of Environmental Protection rule.
- c. Records of monitoring information shall include:
  - the date, exact place, and time of sampling or measurements;
  - the person responsible for performing the sampling or measurements;
  - the date(s) analyses were performed;
  - the person responsible for performing the analyses;

PERMITTEE: Munipalli Sambamurthi, P. E., -  
Manager/Vice President - United Water Florida Inc.-  
1400 Millcoe Road, Jacksonville, Florida 32225

Permit/Cert Number: 1697-WD-3994  
Date of Issue: December 5, 1997  
Expiration Date: December 5, 1999

- the analytical techniques or methods used; and
- the results of such analyses.

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

#### SPECIFIC CONDITIONS:

1. This approval is given with the understanding that upon the installation of such work its operations shall be placed under the care of a competent person, whose qualifications are approved by the Department of Environmental Protection and the operation shall be carried out according to best accepted practice and in accordance with the requirements of the rules and regulations of the Department of Environmental Protection. This includes not only the provision of continuing essential funds for operation and maintenance of chemical supplies for plant operation; but also the funds of maintenance of equipment and supplying the needs of a suitable water plant laboratory which is required for proper operation of this water treatment facility.
2. Water supply facilities including mains shall be installed, cleaned, disinfected and bacteriologically cleared for service; in accordance with the latest applicable AWWA Standards and the Department of Environmental Protection.
3. Minimum 10 foot horizontal separation must be maintained between any type of sewer and water main in parallel installation. Exceptions can be considered in accordance with DER Technical Guidance Memorandum dated July 17, 1991 or Ten State Standards 8.6.2, 8.6.4 and 8.6.5.
4. Minimum 18 inch vertical clearance with a length of pipe centered at the crossing must be maintained between any type of sewer and water main crossing. Exceptions can be considered in accordance with DER Technical Guidance Memorandum dated July 17, 1991 or Ten State Standards 8.6.3, 8.6.4 and 8.6.5.
5. All PVC pipe (other than PVC smaller than 4 inch) must conform to AWWA Standard C900-89. All PVC pipe smaller than 4 inch must be NSF-pw and be equivalent to or better than AWWA DR 25 pipe - Schedule 40, Schedule 80 or ASTM SDR 21 (or lower) is acceptable. The AWWA Standard for the other proposed pipe must be specified D.I.P. that is Class 50 or higher. (DER-DWS-91-001) and Ten State Standards 8.0.1.

PERMITTEE: Munipalli Sambamurthi, P. E., -  
Manager/Vice President - United Water Florida Inc.-  
1400 Millcoe Road, Jacksonville, Florida 32225

Permit/Cert Number: 1697-WD-3994  
Date of Issue: December 5, 1997  
Expiration Date: December 5, 1999

6. Certification as to construction of this project in accordance with the approved plans by a Florida Registered Professional Engineer together with satisfactory bacteriological analyses, record drawings, and supporting documentation shall be provided and a letter of clearance obtained from this Agency before placing these facilities in service.

Issued this 5th day of December, 1997

STATE OF FLORIDA DOH/DUVAL  
COUNTY HEALTH DEPARTMENT



Jeffrey L. Goldhagen, M.D., M.P.H.  
Director

JLG/TRH/TJT/tkf

cc: Robert L. Bates, Jr., P.E.  
Robert Bates & Associates, Inc.  
2715 Oak Street  
Jacksonville, Florida 32205

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

Jerry Joeman 12/11/97  
Clerk Date

*Tam Coffey*



Lawton Chiles  
Governor

James T. Howell, M.D., M.P.H.  
Secretary

NOTICE OF PERMIT ISSUANCE

CERTIFIED - RETURN RECEIPT # 394 240 931

RECEIVED  
APR 12 1997  
UNITED WATER FLORIDA

Mr. Munipalli Sambamurthi, P. E.,  
Manager/Vice President  
United Water Florida Inc.  
1400 Millcoe Road  
Jacksonville, Florida 32225

Dear Mr. Sambamurthi

Duval County - Potable Water  
Public "Community" Water Treatment Plant  
Major Modification  
Monument Road Water Treatment Plant Packed Tower Air Stripper and  
Odor Control System  
United Water Florida Inc.

Enclosed is Permit No. 1697-WD-3774 dated April 2, 1997, to construct the subject project, issued pursuant to Section(s) 403.087, Florida Statutes.

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

The Petition shall contain the following information:

- (a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department of Health/Duval County Health Department (DOH/DCHD) Permit File Number and the county in which the project is proposed;
- (b) A statement of how and when each petitioner received notice of the DOH/DCHD's action or proposed action;

**Duval County Health Department**

Environmental Health/Engineering Division • 900 University Blvd. N., Suite 300 • Jacksonville, Florida • 32211 • (904) 630-3272  
FAX (904) 745-3026

*In partnership with the City of Jacksonville*

- (c) A statement of how and when each petitioner's substantial interests are affected by the DOH/DCHD's action or proposed action;
- (d) A statement of the material facts disputed by Petitioner, if any;
- (e) A statement of facts which petitioner contends warrant reversal or modification of the DOH/DCHD's action or proposed action;
- (f) A statement of which rules or statutes petitioner contends require reversal or modification of the DOH/DCHD's action or proposed action;
- (g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department of Environmental Protection to take with respect to the DOH/DCHD's action or proposed action.

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

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

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

Permit No. 1697-WD-3774  
Page Three

Executed in Jacksonville, Florida.

STATE OF FLORIDA DOH/DUVAL  
COUNTY HEALTH DEPARTMENT



Jeffrey L. Goldhagen, M.D., M.P.H.  
Director

JLG/TRH/TJT/tkf

Copies furnished to:

Gordon E. Grimes, P. E.  
United Water Florida Inc.  
1400 Millcoe Road  
Jacksonville, Florida 32225

CERTIFICATE OF SERVICE

This is to certify that this NOTICE OF PERMIT and all copies were mailed before the close of business on April 8, 1997 to the listed persons.

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

Jerry Foreman 4-8-97  
Clerk Date



Lawton Chiles  
Governor

James T. Howell, M.D., M.P.H.  
Secretary

PERMITTEE:  
Mr. Munipalli Sambamurthi, P. E.,  
Manager/Vice President  
United Water Florida Inc.  
1400 Millcoe Road  
Jacksonville, Florida 32225

Permit/Cert Number: 1697-WD-3774  
Date of Issue: April 2, 1997  
Expiration Date: April 2, 1999  
County: Duval  
Lat/Long: 30°20'11"N/81°24'18"W  
Section/Township/Range: 7/25S/28E  
Project: Public Community Water Treatment Plant -  
Major Modification - Monument Road Water  
Treatment Plant Packed Tower Air Stripper and  
Odor Control System - United Water Florida Inc.

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rule(s) 62-555 (formerly 17-22). The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the DOH/DCHD and made a part hereof and specifically described as follows:

A 2.88 MGD stripping tower by Met Pro Corporation with the 3-1/2 inch diameter Tri-Pack media and H<sub>2</sub>S Scrubber, two 2,000 gpm transfer pumps, about 240 ft. of 12 inch DR 18 PVC water main and associated valves, fittings and backflow preventers for the Monument Road Water Treatment Plant.

PERMITTEE: Mr. Munipalli Sambamurthi, P. E., -  
Manager/Vice President - United Water Florida Inc.  
1400 Millcoe Road, Jacksonville, Florida 32225

Permit/Cert Number: 1697-WD-3774  
Date of Issue: April 2, 1997  
Expiration Date: April 2, 1999

#### GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions" and as such are binding upon the permittee and enforceable pursuant to the authority of Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is hereby placed on notice that the DOH/DCHD will review this permit periodically and may initiate enforcement action for any violation of the "Permit Conditions" by the permittee, its agents, employees, servants, or representatives.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department of Environmental Protection.
3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Nor does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of Federal, state or local laws or regulations. This permit does not constitute a waiver of or approval of any other Department of Environmental Protection permit that may be required for other aspects of the total project which are not addressed in the permit.
4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the state. Only the Trustees of the Internal Improvement Trust Fund may express state opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, plant or aquatic life or property and penalties therefore 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 the Department of Environmental Protection rules, unless specifically authorized by an order from the Department of Environmental Protection.
6. The permittee shall at all times properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by the Department of Environmental Protection rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by the Department of Environmental Protection rules.

PERMITTEE: Mr. Munipalli Sambamurthi, P. E., -  
Manager/Vice President - United Water Florida Inc.  
1400 Millcoe Road, Jacksonville, Florida 32225

Permit/Cert Number: 1697-WD-3774  
Date of Issue: April 2, 1997  
Expiration Date: April 2, 1999

7. The permittee, by accepting this permit, specifically agrees to allow authorized DOH/DCHD personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:

- a. Having access to and copying any records that must be kept under the conditions of the permit;
- b. Inspecting the facility, equipment, practices, or operations regulated or required under this permit; and
- c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or the Department of Environmental Protection rules.

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

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

- a. A description of and cause of non-compliance; and
- b. The period of non-compliance, including exact dates and times; or, if not corrected, the anticipated time the non-compliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the non-compliance.

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department of Environmental Protection for penalties or revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source, which are submitted to the DOH/DCHD, may be used by the Department of Environmental Protection as evidence in any enforcement case arising under the Florida Statutes or the Department of Environmental Protection rules, except where such use is proscribed by Sections 403.73 and 403.111, Florida Statutes.

10. The permittee agrees to comply with changes in the Department of Environmental Protection 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 the Department of Environmental Protection rules.

PERMITTEE: Mr. Munipalli Sambamurthi, P. E., -  
Manager/Vice President - United Water Florida Inc.  
1400 Millcoe Road, Jacksonville, Florida 32225

Permit/Cert Number: 1697-WD-3774  
Date of Issue: April 2, 1997  
Expiration Date: April 2, 1999

11. This permit is transferable only upon DOH/DCHD approval in accordance with Florida Administrative Code Rules 62-4.12 and 27-30.30, as applicable the permittee shall be liable for any noncompliance of the permitted activity until the transfer is approved by the DOH/DCHD.

12. This permit is required to be kept at the work site of the permitted activity during the entire period of construction or operation.

13. This permit also constitutes:

- Determination of Best Available Control Technology (BAC)
- Determination of Prevention of Significant Deterioration (PSD)
- Certification of Compliance with State Water Quality Standards (Section 401, PL 92-500)
- Compliance with New Source Performance Standards

14. The permittee shall comply with the following monitoring and record keeping requirement:

- a. Upon request, the permittee shall furnish all records and plans required under the Department of Environmental Protection rules. The retention period for all records will be extended automatically, unless otherwise stipulated by the Department of Environmental Protection during the course of any unresolved enforcement action.
- b. The permittee shall retain at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation), copies of all reports required by this permit, and records of all data used to complete the application for this permit. The time period of retention shall be at least three years from the date of the sample, measurement, report or application unless otherwise specified by the Department of Environmental Protection rule.
- c. Records of monitoring information shall include:
  - the date, exact place, and time of sampling or measurements;
  - the person responsible for performing the sampling or measurements;
  - the date(s) analyses were performed;
  - the person responsible for performing the analyses;

PERMITTEE: Mr. Munipalli Sambamurthi, P. E., -  
Manager/Vice President - United Water Florida Inc.  
1400 Millcoe Road, Jacksonville, Florida 32225

Permit/Cert Number: 1697-WD-3774  
Date of Issue: April 2, 1997  
Expiration Date: April 2, 1999

- the analytical techniques or methods used; and
- the results of such analyses.

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

#### SPECIFIC CONDITIONS:

1. This approval is given with the understanding that upon the installation of such work its operations shall be placed under the care of a competent person, whose qualifications are approved by the Department of Environmental Protection and the operation shall be carried out according to best accepted practice and in accordance with the requirements of the rules and regulations of the Department of Environmental Protection. This includes not only the provision of continuing essential funds for operation and maintenance of chemical supplies for plant operation; but also the funds of maintenance of equipment and supplying the needs of a suitable water plant laboratory which is required for proper operation of this water treatment facility.

2. Water supply facilities including mains shall be installed, cleaned, disinfected and bacteriologically cleared for service; in accordance with the latest applicable AWWA Standards and the Department of Environmental Protection.

3. Minimum 10 foot horizontal separation must be maintained between any type of sewer and water main in parallel installation. Exceptions can be considered in accordance with DER Technical Guidance Memorandum dated July 17, 1991 or Ten State Standards 8.6.2, 8.6.4 and 8.6.5.

4. Minimum 18 inch vertical clearance with a length of pipe centered at the crossing must be maintained between any type of sewer and water main crossing. Exceptions can be considered in accordance with DER Technical Guidance Memorandum dated July 17, 1991 or Ten State Standards 8.6.3, 8.6.4 and 8.6.5.

5. All PVC pipe (other than PVC smaller than 4 inch) must conform to AWWA Standard C900-89. All PVC pipe smaller than 4 inch must be NSF-pw and be equivalent to or better than AWWA DR 25 pipe - Schedule 40, Schedule 80 or ASTM SDR 21 (or lower) is acceptable. The AWWA Standard for the other proposed pipe must be specified D.I.P. that is Class 50 or higher. (DER-DWS-91-001) and Ten State Standards 8.0.1.

PERMITTEE: Mr. Munipalli Sambamurthi, P. E., -  
Manager/Vice President - United Water Florida Inc.  
1400 Millcoe Road, Jacksonville, Florida 32225

Permit/Cert Number: 1697-WD-3774  
Date of Issue: April 2, 1997  
Expiration Date: April 2, 1999

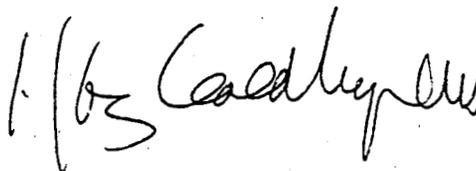
6. Certification as to construction of this project in accordance with the approved plans by a Florida Registered Professional Engineer together with satisfactory bacteriological analyses, record drawings, and supporting documentation shall be provided and a letter of clearance obtained from this Agency before placing these facilities in service.

7. The screens on the intake blower will be 24 mesh.

8. The odor control unit will have a 1 inch RPZ backflow preventer in accordance with you March 13, 1997 letter.

Issued this 2nd day of April, 1997

STATE OF FLORIDA DOH/DUVAL  
COUNTY HEALTH DEPARTMENT



Jeffrey L. Goldhagen, M.D., M.P.H.  
Director

JLG/TRH/TJT/tkf

cc: Gordon E. Grimes, P. E.  
United Water Florida Inc.  
1400 Millcoe Road  
Jacksonville, Florida 32225

FILING AND ACKNOWLEDGEMENT  
FILED, on this date, pursuant to §12052  
Statutes, with the designated Department Clerk,  
receipt of which is hereby acknowledged.

Jerry Thomas 4-8-97  
Clerk Date

Rangy



Lawton Chiles  
Governor

James T. Howell, M.D., M.P.H  
Secretary

Mr. Munipalli Sambamurthi, P. E.,  
Manager/Vice President  
United Water Florida Inc.  
1400 Millcoe Road  
Jacksonville, Florida 32225

Date: March 28, 1997  
County: Duval  
Project: Corrosion Control System  
Water Plant: Queen Acres/Holly Oaks  
United Water Florida Inc.

Re: General Permit Notice - File No. 1697-WD-3779

RECEIVED  
APR 04 1997

Dear Mr. Sambamurthi:

On March 6, 1997, the Department of Health/Duval County Health Department received your Notice of Intent to use General Permit for Corrosion Control for Small and Medium Systems. According to your notice, you intend to apply Calgon C-5 as a treatment method for corrosion control at the subject water treatment plant, under the provisions of Florida Administrative Code (FAC) Rules 62-550 and 62-555.

After reviewing the notice, it appears that your project will have minimal adverse environmental effect and apparently can be constructed pursuant to a general permit as described in FAC Rule 62-555.

Any activities performed under this general permit are subject to the general conditions required in FAC Rules 62-4.540 (attached) and 62-555.410 and are also subject to the following conditions:

1. Permittee shall provide this office a semiannual report, beginning 6 months after start up, indicating the effectiveness of the corrosion control treatment. This report shall be supported with Lead and Copper analysis results from samples collected at the taps, water quality parameter data and information on the dosage rate and concentration of the chemicals used for corrosion control. Please refer to Rule CFR 40 Parts 141.8-141.9 for proper sampling. Orthophosphate concentration in the treated water shall be measured twice a month. The monitoring data collected shall also be submitted monthly with the MOR's.
2. Permittee shall evaluate the installation of additional treatment if the corrosion control treatment selected under this General Permit is not optimal or effective. Any additional treatment must be approved by the Department prior to installation.
3. Permittee shall ensure that all chemicals used for corrosion control are NSF approved and that a backflow preventer or air gap separates any potable water feed to the NaOH mix tank.
4. Permittee shall comply with all applicable conditions of Chapter 62-550, 62-555 and CFR 40, for Public Water Systems.

**Duval County Health Department**

Environmental Health/Engineering Division • 900 University Blvd. N., Suite 300 • Jacksonville, Florida • 32211 • (904) 630-3272  
FAX (904) 745-3026

*In partnership with the City of Jacksonville*

Mr. Munipalli Sambamurthi, P. E.,  
Manager/Vice President  
United Water Florida Inc.  
File No. 1696-WD-3779

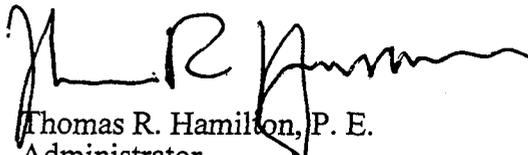
March 28, 1997

5. The applicant shall notify the Environmental Engineering Section after completion of construction and/or installation of the corrosion control equipment, but before placement into service. The corrosion control equipment must not be placed into service until a letter of authorization is issued by the DOH/DCHD.
6. The water supply line for the eductors shall have a backflow preventer meeting the AWWA M-14 Manual.

Assuming you have properly qualified for this general permit, please note that the permit expires on March 28, 1998. Your construction activity must conform to the description contained in your notice. Any substantial deviation may subject the permittee to enforcement action and possible penalties.

If you have any questions concerning the use of the general permit, please contact this office.

Sincerely,



Thomas R. Hamilton, P. E.  
Administrator

ENVIRONMENTAL ENGINEERING SECTION

TRH/TJT/tkf

cc: Jerry M. Owen, P. E.  
Department of Environmental Protection  
Gordon E. Grimes, P. E.  
United Water Florida Inc.  
1400 Millcoe Road  
Jacksonville, Florida 32225  
T. James Tofflemire, P. E. I  
Jerry E. Fulop, Environmental Supervisor II

FILING AND ACKNOWLEDGEMENT  
FILED, on this date, pursuant to S120.52 Florida  
Statutes, with the designated Department Clerk,  
receipt of which is hereby acknowledged.  
Jerry Foreman 4/2/97  
Clerk Data

FAC RULE 62-4.540 - GENERAL CONDITIONS FOR ALL GENERAL PERMITS

- (1) The terms, conditions, requirements, limitations and restrictions set forth in this Part are "general permit conditions" and are binding upon the permittee. The conditions are enforceable under Chapter 403, F.S.
- (2) The general permit is valid only for the specific activity indicated. Any deviation from the specified activity and the conditions for undertaking that activity shall constitute a violation of the permit. The permittee is placed on notice that violation on the permit may result in suspension or revocation of the permittee's use of the general permit and may cause the Department to begin legal proceedings.
- (3) The general permit does not convey any vested rights or any exclusive privileges. It does not authorize any injury to public or private property nor any invasion of personal rights. It does not authorize any infringement of federal, state or local laws or regulations. It does not eliminate the need to obtain any other federal state or local permits that may be required, or allow the permittee to violate any more stringent standards established by federal or local law.
- (4) The general permit does not relieve the permittee from liability and penalties when the construction or operation of the permitted system causes harm or injury to human health or welfare; causes harm or injury to animal, plant or aquatic life; or cause harm or injury to property. It does not allow the permittee to cause pollution in contravention of Florida Statutes and Department rules.
- (5) The general permit conveys no title to land or water, nor does it constitute State recognition or acknowledgment of title. It does not constitute authority for reclamation of submerged lands. Only the Board of Trustees of the Internal Improvement Trust Fund may express State opinion as to title.
- (6) No general permit shall authorize the use of state owned land without the prior consent of the Board of Trustees of the Internal Improvement Trust Fund pursuant to Section 253.77, F.S.
- (7) The general permit may be modified, suspended, or revoked in accordance with Chapter 120, Florida Statutes, if the Secretary determines that there has been a violation of any of the terms or conditions of the permit, there has been a violation of state drinking water quality standards, or the permittee has submitted false, incomplete or inaccurate data or information.
- (8) The general permit shall not be transferred to a third party.
- (9) The general permit authorizes construction and, where applicable, operation of the permitted system.
- (10) The permittee agrees in accepting the general permit to make every reasonable effort to conduct the construction authorized by the general permit in a manner that will minimize any adverse effects on adjacent property or on public use of the adjacent property, where applicable, and on the environment, including fish, wildlife, natural resources of the area, water quality, or air quality.

(11) The permittee agrees in accepting the general permit to allow a duly authorized representative of the Department access to the permitted system or activity at reasonable times to inspect and test to determine compliance with the permit and the Department rules.

(12) The permittee agrees to maintain any permitted facility, or activity in good condition and in accordance with the plans submitted to the Department under Rule 62-4.530(1), FAC.

(13) A permittee's use of a general permit is limited to five years. However, the permittee may request continued use of the general permit by notifying the Department pursuant to Rule 62-4.530(1), FAC. However, the permittee shall give notice of continued use of a general permit thirty days before it expires.

1697 (D) 3779



# Florida Department of Environmental Protection

Twin Towers Office Bldg.  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

DEP Form # 62-551.950(7)  
Form Title Notice of Intent to Use General Permit for  
Corrosion Control for Small and Medium Systems  
Effective Date August 16, 1994  
DEP Application No. (Filled in by DEP)

**RECEIVED**  
MAR 06 1997  
ENVIRONMENTAL  
ENGINEERING  
SECTION

## Notice of Intent to Use General Permit for Corrosion Control for Small and Medium Systems

**INSTRUCTIONS:** Use of this form is limited to community and non-transient non-community public water systems which serve fewer than 50,000 persons. For public water systems which serve fewer than 10,000 persons, use of this form does not require the services of a registered Professional Engineer. It may be submitted signed by the owner of the water system or authorized representative and the licensed contractor. Use of this form will be disapproved if, for the water quality data listed in Part II below, the proposed treatment selected in Part III below is inconsistent with the guidelines and recommendations published by the U.S. Environmental Protection Agency in *Lead and Copper Rule Guidance Manual, Volume II: Corrosion Control Treatment*.

### PART I. GENERAL WATER SYSTEM INFORMATION

Water System Name: <u>QUEEN ACRES (HOLLY OAKS GRID)</u>	Contact person: <u>GORDON GRIMES, P.E.</u>
System type (circle one): <input checked="" type="radio"/> or NTNC	Contact phone number: <u>(904) 721-4601</u>
Identification Number (PWS-ID): <u>2160924 (HOLLY OAKS GRID)</u>	Mailing address: <u>1400 MILLCOE RD.</u>
Population served: <u>11,963 (HOLLY OAKS GRID)</u>	City, State ZIP: <u>JACKSONVILLE, FL 32225</u>

### PART II. SUMMARY OF WATER CHEMISTRY DATA. Provide data on existing levels for water quality parameters and lead and copper levels (provide additional sheets as necessary).

Water Quality Parameter - units	Entry Point	Tap		Lead	Copper
Temperature - °C	24.7	24.0	No. of samples	49	49
Conductivity - µmho/cm @ 25°C	740	820.3		mg/L	mg/L
pH	7.4		Maximum Tap	0.150	3.20
Alkalinity - mg/L	153		Minimum Tap	<0.005	0.090
Total Hardness - mg/L	N/A		90th percentile	<0.005	2.59
Total Dissolved Solids - mg/L	364	N/A	At entry point	<0.005	<0.050
Calcium - mg/L	65				
Orthophosphate - mg/L	0.05	N/A			
Silicates - mg/L	N/A	N/A			

### PART III. PROPOSED TREATMENT INFORMATION. Indicate which treatment is proposed.

- Modification of pH (N/A) Existing pH \_\_\_\_\_ Proposed pH \_\_\_\_\_
- Chemical to be Added \_\_\_\_\_ Dosage rate \_\_\_\_\_ mg/L
- Modification of alkalinity (N/A) Existing alkalinity \_\_\_\_\_ mg/L as CaCO<sub>3</sub> Proposed \_\_\_\_\_ mg/L as CaCO<sub>3</sub>
- Chemical to be added \_\_\_\_\_ Dosage rate \_\_\_\_\_ mg/L
- Modification of calcium (N/A) Existing calcium \_\_\_\_\_ mg/L as CaCO<sub>3</sub>
- Proposed calcium \_\_\_\_\_ mg/L as CaCO<sub>3</sub>
- Chemical to be added \_\_\_\_\_ Dosage rate \_\_\_\_\_ mg/L

**NOTICE OF INTENT TO USE GENERAL PERMIT  
FOR CORROSION CONTROL FOR SMALL AND  
MEDIUM SYSTEMS**

DEP Form	# 62-551.950(7)
Form Title:	Notice of Intent to Use General Permit for Corrosion Control for Small and Medium Systems
Effective Date	August 18, 1994
DEP Application No.	(Filled in by DEP)

Use of a corrosion inhibitor Brand Name of Proposed Inhibitor CALGON C-5 AND C-15  
Chemical Name of Proposed Inhibitor AQUEOUS PHOSPHATE SOLUTION (C-5) & ZINC ORTHOPHOSPHATE (C-15)  
Dosage rate 3 mg/L

**PART IV. DESCRIPTION OF TREATMENT EQUIPMENT.** Describe injector equipment proposed for use and provide a diagram of how the pumps and injector points are located with respect to other system components.

BOTH CHEMICALS, C-5 & C-15 WILL HAVE THEIR OWN INJECTION SYSTEM CONSISTING OF: (1) LMI P141-158-S/13.9 GPD CHEMICAL METERING PUMPS, (1) CHEMICAL FEED EDUCTOR, (1) 35 GALLON CHEMICAL DRUM. SEE ATTACHED SITE PLAN FOR THIS FACILITY.

**PART V. TREATMENT EVALUATION.** Describe what procedures will be followed to evaluate the effectiveness of the proposed treatment

UNITED WATER FLORIDA WILL FOLLOW UP WOTH BIANNUAL MONITORING SAMPLING, AS STIPULATED IN THE FEDERAL RULE 40 CFR PART 141.80 - 141.91.

**PART VI. PROJECT COST ESTIMATE.** Total Cost of the Proposed Treatment is \$ 4000.00.

**PART VII. STATEMENT BY APPLICANT and LICENSED CONTRACTOR.** The undersigned owner or authorized representative of the above named public water system is fully aware that the statements made in this notice are true and complete to the best of his/her knowledge. The undersigned is fully aware that it is his/her responsibility to operate and maintain this facility in such a manner as to function as it was designed. (The Liscensed Contractor who will install the treatment equipment must sign this statement if no professional engineer has completed Part VIII.)

\_\_\_\_\_  
Signature of the Owner or Authorized Representative

MUNIPALLI SAMBAMURTHI, V.P.  
Typed or Printed Name and Date

\_\_\_\_\_  
Signature and number of Licensed Contractor

N/A  
Typed or Printed Name and Date

**PART VIII STATEMENT BY ENGINEER.** (This statement is to be completed when a system has used a professional engineer for this work. It is required for systems serving at least 10,000 persons) This is to certify that the engineering features of this system have been designed by me or by an individual(s) under my direct supervision. I further certify that to the best of my knowledge and belief they have been designed in accordance with Chapter 62-555, F.A.C., the 1987 edition of the "Recommended Standards for Water Works" and any other applicable state or local requirements. It is also stated that the undersigned has or will furnish the applicant with written instructions for the operation and maintenance of this permitted project. A completed Form 62-555.910(9) will be submitted to the Department in order to obtain prior approval to place the system in service, including a copy of the permit and bacteriological test results and "as-built" drawings or their location as required and any applicable local requirements.

  
\_\_\_\_\_  
Signature and Date (Affix Seal)

GORDON GRIMES, P.E. 25441  
Name (please type) Florida Registration No.

UNITED WATER FLORIDA  
Company Name (please type)

1400 MILLCOE RD.  
Company Address (please type)

JACKSONVILLE, FL 32225 (904)565-1797  
City, State Zip Code Phone No.

## ATTACHMENT

February 25, 1997

Queen Acres WTP, PWS ID: 2160924  
Notice of Intent to Use General Permit for  
Corrosion Control for Small and Medium Systems

### Additional Technical Information:

1. The proposed chemical metering pumps are manufactured by LMI, model LMI P141-158-S, with a design capacity of 13.9 gpd. This same type pump is currently being used at Monument Rd WTP and San Jose WTP for the same application. In addition, a backup pump of the same type and capacity will be provided as a redundant pump in case of failure of any of the other two pumps.
2. The proposed corrosion control system will be checked several times a day, 7 days a week. Also, UWF initially proposes to have at least an additional drum of Calgon C-5 and C-15 chemicals at the plant at all times. One drum of each chemical is required per month and the additional drum will be used to allow switch over without interruption of chemical feed.
3. UWF proposes to use corrosion inhibitor chemical feed systems as a temporary measure until the permanent, packed tower aerators can be installed. This approach is the result of a 5-year H<sub>2</sub>S and corrosion control study conducted by the University of Florida for United Water Florida. The HRS acknowledged receipt of the pilot study reports by means of a letter dated October 28, 1994. Also, in this letter the HRS recommended to use chemical addition as a temporary measure until the aeration upgrades can be accomplished, as recommended in the study reports.
4. No safety equipment is required for handling the proposed chemicals. However, the Queen Acres WTP is equipped with eyewash facilities, chemical leak alarms, and proper chemical handling gear as company safety measures.
5. The proposed chemical feed rate is 2 mg/l of C-5 and 1 mg/l of C-15, as recommended by Calgon, based on the pilot study and actual system in operation at Monument Rd. WTP.
6. UWF is currently monitoring corrosion inhibitor chemical use at Monument Rd WTP, and will monitor corrosion inhibitor chemical use at Queen Acres as well.
7. UWF proposes to feed the chemicals directly to the inside of the ground storage tank, as it is successfully done at Monument Rd. WTP. The option of feeding the corrosion inhibitor chemicals on top of the cascade aerator was considered. However, Calgon expressed a concern about feeding the chemicals outdoors, which exposes phosphorous to U.V. light and the remote possibility of creating a condition favorable for algae growth.



# Department of Environmental Protection

*Todd Mallory*

Lawton Chiles  
Governor

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

Virginia B. Wetherell  
Secretary

## NOTICE OF PERMIT ISSUANCE

### CERTIFIED - RETURN RECEIPT

Mr. Munipalli Sambamurthi, P. E.  
United Water Florida  
1400 Millcoe Road  
Jacksonville, Florida 32225

Dear : Mr. Sambamurthi:

Nassau County - Potable Water  
Lofton Oaks WTP Improvements



Enclosed is permit 0083071-004-WC, dated November 18, 1997, for a construction of a 250,000 gallon ground storage tank with a cascade aerator, issued pursuant to Section(s) 403.087, Florida Statutes (F.S.).

A person whose substantial interests are affected by this permit may petition for an administrative proceeding (hearing) in accordance with Section 120.57, F.S. The petition must contain the information set forth below and must be filed (received) at the Department's Office of General Counsel, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000, within 14 days of receipt of this Permit. Petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. Failure to file a petition within this time period shall constitute a waiver of any right such person may have to request an administrative determination (hearing) under Section 120.57, F.S.

The petition shall contain the following information:

- (a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department Permit File Number and the county in which the project is proposed;
- (b) A statement of how and when each petitioner received notice of the Department's action or proposed action;
- (c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action;

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

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

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

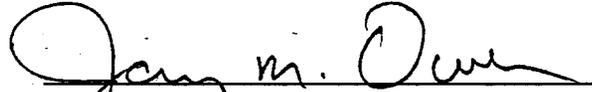
This permit is final and effective on the date filed with the Clerk of the Department unless a petition is filed in accordance with the above paragraphs or unless a request for extension of time in which to file a petition is filed within the time specified for filing a petition and conforms to Rule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

When the Order (Permit) is final, any party to the Order has the right to seek judicial review of the Order pursuant to Section 120.68, Florida Statutes, by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate procedure, with the Clerk of the Department in the Office of General Counsel, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399 3000; and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed within 30 days from the date the Final Order is filed with the Clerk of the Department.

Mr. Munipalli Sambamurthi  
Permit 0083071-004-WC  
Page 3 of 3

Executed in Jacksonville, Florida.

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL PROTECTION



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

JMO:BRR:  
Permitting File

Copies furnished to:

Mr. Robert Bates, Jr., P. E.  
Nassau County Health Department

FILING AND ACKNOWLEDGEMENT

FILED, on this date, pursuant to S120.52 ,  
Florida Statutes, with the designated Depart-  
ment Clerk, receipt of which is hereby acknow-  
ledged.

 11-18-97  
Clerk Date

CERTIFICATE OF SERVICE

This is to certify that this NOTICE OF PERMIT and all copies were mailed before the close of  
business on November 18, 1997 to the listed persons.



# Department of Environmental Protection

Lawton Chiles  
Governor

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

Virginia B. Wetherell  
Secretary

**PERMITTEE:**

Mr. Sambamurthi, P. E. .  
United Water Florida  
1405 Millcoe Road  
Jacksonville, Florida 32225

**I.D. Number:**

**Permit/Cert Number:** 0083071-004-WC

**Date of Issue:** November 18, 1997

**Sec/Town/Re:** November 17, 1999

**Lat/Long:** N/A

**Project:** Lofton Oaks WTP Improvements

This permit is issued under the provisions of Chapter 403, Florida Statutes (FRS.), and Florida Administrative Code (FAC) Chapter 62-555 (formerly 17-22). The above named Permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the Department and made a part hereof and specifically described as follows:

**Description:** Construction of a new 250, 000 gallon ground storage tank, a 2,000 gpm cascade gravity aerator and the installation of a new 1,500 gpm high service pump at the Lofton Oaks WTP.

**Location:** Nassau County; Section 36; Township: 02 South; Range: 27 East

**PERMITTEE:**

M. Munipalli Sambamurthi, P. E.  
United Water

**Permit/Cert Number:** 0083071-004-WC  
**Date of Issue:** November 18, 1997  
**Expiration Date:** November 17, 1999  
**Project:** Lofton Oaks WTP Improvements

**GENERAL CONDITIONS:**

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

**PERMITTEE:**

M. Munipalli Sambamurthi, P. E.  
United Water

**Permit/Cert Number:** 0083071-004-WC

**Date of Issue:** November 18, 1997

**Expiration Date:** November 17, 1999

**Project:** Lofton Oaks WTP Improvements

**GENERAL CONDITIONS:**

7. Permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at reasonable times, access to the premises where the permitted activity is located or conducted to:
  - a. Have access to and copy any records that must be kept under conditions of the permit;
  - b. Inspect the facility, equipment, practices, or operations regulated or required under this permit; and
  - c. Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules. Reasonable time may depend on the nature of the concern being investigated.
8. If, for any reason, Permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, Permittee shall immediately provide the Department with the following information:
  - a. A description of and cause of noncompliance; and
  - b. The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to educe, eliminate, and prevent recurrence of the noncompliance. Permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.
9. In accepting this permit, 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 Florida Statutes or Department rules, except where such use is prescribed by Section 403.111 and 403.73, F.S. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.

**PERMITTEE:**

M. Munipalli Sambamurthi, P. E.  
United Water

Permit/Cert Number: 0083071-004-WC  
Date of Issue: November 18, 1997  
Expiration Date: November 17, 1999  
Project: Lofton Oaks WTP Improvements

**GENERAL CONDITIONS:**

10. Permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided, however, 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, FAC, shall include a reasonable time to obtain or be denied a mixing zone for the new or amended standard.
11. This permit is transferable only upon Department approval in accordance with Rule 62-4.120 and 62-730.300, FAC, as applicable. Permittee shall be liable for any noncompliance of the permitted activity until the transfer is approved by the Department.
12. This permit or a copy thereof shall be kept at the work site of the permitted activity.
13. This permit also constitutes:
  - ( ) Determination of Best Available Control Technology (BACT)
  - ( ) Determination of Prevention of Significant Deterioration (PSD)
  - ( ) Certification of compliance with state Water Quality Standards (Section 401, PL 92-500)
  - ( ) Compliance with New Source Performance Standards
14. Permittee shall comply with the following:
  - a. Upon request, Permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.
  - b. Permittee shall hold at the facility or other location designated by this permit, records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.

**PERMITTEE:**

M. Munipalli Sambamurthi, P. E.  
United Water

Permit/Cert Number: 0083071-004-WC  
Date of Issue: November 18, 1997  
Expiration Date: November 17, 1999  
Project: Lofton Oaks WTP Improvements

**GENERAL CONDITIONS:**

- c. Records of monitoring information shall include:
- the date, exact place, and time of sampling or measurements;
  - the person responsible for performing the sampling or measurements;
  - the dates analyses were performed;
  - the person responsible for performing the analyses;
  - the analytical techniques or methods used;
  - the results of such analyses.
15. When requested by the Department, Permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If Permittee becomes aware the relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.

**PERMITTEE:**

M. Munipalli Sambamurthi, P. E.  
United Water

Permit/Cert number: 0083071-004-WC  
Date of Issue: November 18, 1997  
Expiration Date: November 17, 1999  
Project: Lofton Oaks WTP Improvements

**SPECIFIC CONDITIONS:**

1. This approval for construction is given with the understanding that, upon the installation of such works, the operation shall be placed under the care of a competent person, whose qualifications are approved by the Department. Operation of the facility shall be carried out according to best accepted practice and in accordance with the requirements of the rules and regulations of the Department. Permittee shall ensure, not only the provision of continuing essential funds for proper operation and maintenance of this project, but also the funds necessary to comply with all regulatory, monitoring, and statutory requirements.
2. Water supply facilities, including mains, shall be installed in accordance with the latest applicable AWWA Standards and Department rules and regulations. The system shall be pressure and leak tested in accordance with AWWA Standard C600 and disinfected in accordance with AWWA Standard C651, as well as, in accordance with Rule 62-555.340, FAC
3. Permittee shall maintain a minimum vertical clearance of 18 inches and a minimum horizontal separation of 10 feet between water mains and sanitary sewers, storm sewers, etc. unless approved otherwise by the Department, as provided in Rule 62-555.314, FAC, and Section 8.6 of *Recommended Standards for Water Works*, a manual adopted by reference in Rule 62-555.330(3), FAC
4. Prior to placing this project into service, Permittee shall submit, at a minimum, all of the following to the Department for evaluation and approval for operation, as provided in Rules 62-555.340 and 62-555.345, FAC:
  - a. the engineer's "Certification of Construction Completion and Request for a Letter of Clearance to Place a Public Drinking Water Facility into Service" {DEP Form 62-555.900(9)};
  - b. "As-Built" certified record drawings, showing the details of the aerator and storage tank. The As-built plans shall include the tank elevation and aerator details.
  - c. two consecutive days of satisfactory bacteriological analytical results.

In order to facilitate the issuance of a letter of clearance, the Department requests that all of the above information be submitted as one package.

5. All PVC piping shall bear the National Sanitation Foundation (NSF) International seal of approval for potable water pipe.

**PERMITTEE:**

M. Munipalli Sambamurthi, P. E.  
United Water

Permit/Cert Number: 0083071-004-WC  
Date of Issue: November 18, 1997  
Expiration Date: November 17, 1999  
Project: Lofton Oaks WTP Improvements

**SPECIFIC CONDITIONS:**

6. Before discharging any water from the ground storage tanks to waste, Permittee shall perform adequate dechlorination. In addition, Permittee shall provide screens on the drain exits from both ground storage tanks and shall construct the drain exits at least 18 inches above grade.
7. Permittee shall install backflow prevention devices in accordance with Rule 62-555.360, F.A.C., *Recommended Practice for Backflow Prevention and Cross-Connection Control (M-14)*, a manual adopted by reference in Rule 62-555.330(6), F.A.C.; and *Cross Connections and Backflow Prevention*, a manual adopted by reference in Rule 62-555.330(7), F.A.C.
8. The water treatment plant to which this distribution system shall be connected shall have the capacity to provide the potable water demand required by this project which is in compliance with the standards and water quality set forth in Chapters 62-550, 62-555, and 62-560, F.A.C., for public water systems.
9. Permittee shall follow the guidelines of Chapters 62-550, 62-555, and 62-560, F.A.C., regarding public drinking water system standards, monitoring, reporting, permitting, construction, and operation.
10. This project shall be completed prior to the expiration date of this permit. Otherwise, Permittee shall submit a written request to the Department at least thirty days prior to the expiration date requesting an extension of the permit or Permittee must reapply for a new permit.
11. The aerator housing and all vents to the ground storage tank must be properly protected from insects by 24 mesh screen.

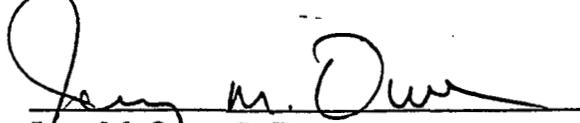
Issued this 18 day of November 1997

**FILING AND ACKNOWLEDGEMENT**

FILED, on this date, pursuant to S120.52, Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

Anthony R. Owen      11-18-97  
 Clerk                                      Date

**STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION**

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

Randy



Lawton Chiles  
Governor

James T. Howell, M.D., M.P.H  
Secretary

Mr. Munipalli Sambamurthi, P. E.,  
Manager/Vice President  
United Water Florida Inc.  
1400 Millcoe Road  
Jacksonville, Florida 32225

Date: March 28, 1997  
County: Duval  
Project: Corrosion Control System  
Water Plant: Marshview (San Pablo)  
United Water Florida Inc.

RECEIVED

APR 04 1997

UNITED WATER FLORIDA

Re: General Permit Notice - File No. 1697-WD-3778

Dear Mr. Sambamurthi:

On March 6, 1997, the Department of Health/Duval County Health Department (DOH/DCHD) received your Notice of Intent to use General Permit for Corrosion Control for Small and Medium Systems. According to your notice, you intend to apply Calgon C-5 as a treatment method for corrosion control at the subject water treatment plant, under the provisions of Florida Administrative Code (FAC) Rules 62-550 and 62-555.

After reviewing the notice, it appears that your project will have minimal adverse environmental effect and apparently can be constructed pursuant to a general permit as described in FAC Rule 62-555.

Any activities performed under this general permit are subject to the general conditions required in FAC Rules 62-4.540 (attached) and 62-555.410 and are also subject to the following conditions:

1. Permittee shall provide this office a semiannual report, beginning 6 months after start up, indicating the effectiveness of the corrosion control treatment. This report shall be supported with Lead and Copper analysis results from samples collected at the taps, water quality parameter data and information on the dosage rate and concentration of the chemicals used for corrosion control. Please refer to Rule CFR 40 Parts 141.8-141.9 for proper sampling. Orthophosphate concentration in the treated water shall be measured twice a month. The monitoring data collected shall also be submitted monthly with the MOR's.
2. Permittee shall evaluate the installation of additional treatment if the corrosion control treatment selected under this General Permit is not optimal or effective. Any additional treatment must be approved by the Department prior to installation.
3. Permittee shall ensure that all chemicals used for corrosion control are NSF approved and that a backflow preventer or air gap separates any potable water feed to the NaOH mix tank.
4. Permittee shall comply with all applicable conditions of Chapter 62-550, 62-555 and CFR 40, for Public Water Systems.

**Duval County Health Department**

Environmental Health/Engineering Division • 900 University Blvd. N., Suite 300 • Jacksonville, Florida • 32211 • (904) 630-3272  
FAX (904) 745-3026

*In partnership with the City of Jacksonville*

Mr. Munipalli Sambamurthi, P. E.,  
Manager/Vice President  
United Water Florida Inc.  
File No. 1696-WD-3778

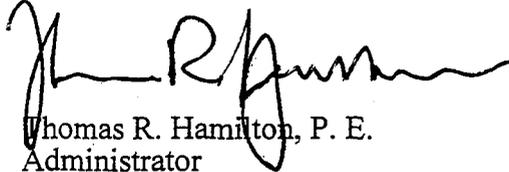
March 28, 1997

5. The applicant shall notify the Environmental Engineering Section after completion of construction and/or installation of the corrosion control equipment, but before placement into service. The corrosion control equipment must not be placed into service until a letter of authorization is issued by the DOH/DCHD.
6. The water supply line for the eductors shall have a backflow preventer meeting the AWWA M-14 Manual.

Assuming you have properly qualified for this general permit, please note that the permit expires on March 28, 1998. Your construction activity must conform to the description contained in your notice. Any substantial deviation may subject the permittee to enforcement action and possible penalties.

If you have any questions concerning the use of the general permit, please contact this office.

Sincerely,



Thomas R. Hamilton, P. E.  
Administrator

ENVIRONMENTAL ENGINEERING SECTION

TRH/TJT/tkf

cc: Jerry M. Owen, P. E.  
Department of Environmental Protection  
Gordon E. Grimes, P. E.  
United Water Florida Inc.  
1400 Millcoe Road  
Jacksonville, Florida 32225  
T. James Tofflemire, P. E. I  
Jerry E. Fulop, Environmental Supervisor II

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

Jerry Foreman 4/2/97  
Clerk Date

FAC RULE 62-4.540 - GENERAL CONDITIONS FOR ALL GENERAL PERMITS

- (1) The terms, conditions, requirements, limitations and restrictions set forth in this Part are "general permit conditions" and are binding upon the permittee. The conditions are enforceable under Chapter 403, F.S.
- (2) The general permit is valid only for the specific activity indicated. Any deviation from the specified activity and the conditions for undertaking that activity shall constitute a violation of the permit. The permittee is placed on notice that violation on the permit may result in suspension or revocation of the permittee's use of the general permit and may cause the Department to begin legal proceedings.
- (3) The general permit does not convey any vested rights or any exclusive privileges. It does not authorize any injury to public or private property nor any invasion of personal rights. It does not authorize any infringement of federal, state or local laws or regulations. It does not eliminate the need to obtain any other federal state or local permits that may be required, or allow the permittee to violate any more stringent standards established by federal or local law.
- (4) The general permit does not relieve the permittee from liability and penalties when the construction or operation of the permitted system causes harm or injury to human health or welfare; causes harm or injury to animal, plant or aquatic life; or cause harm or injury to property. It does not allow the permittee to cause pollution in contravention of Florida Statutes and Department rules.
- (5) The general permit conveys no title to land or water, nor does it constitute State recognition or acknowledgment of title. It does not constitute authority for reclamation of submerged lands. Only the Board of Trustees of the Internal Improvement Trust Fund may express State opinion as to title.
- (6) No general permit shall authorize the use of state owned land without the prior consent of the Board of Trustees of the Internal Improvement Trust Fund pursuant to Section 253.77, F.S.
- (7) The general permit may be modified, suspended, or revoked in accordance with Chapter 120, Florida Statutes, if the Secretary determines that there has been a violation of any of the terms or conditions of the permit, there has been a violation of state drinking water quality standards, or the permittee has submitted false, incomplete or inaccurate data or information.
- (8) The general permit shall not be transferred to a third party.
- (9) The general permit authorizes construction and, where applicable, operation of the permitted system.
- (10) The permittee agrees in accepting the general permit to make every reasonable effort to conduct the construction authorized by the general permit in a manner that will minimize any adverse effects on adjacent property or on public use of the adjacent property, where applicable, and on the environment, including fish, wildlife, natural resources of the area, water quality, or air quality.

(11) The permittee agrees in accepting the general permit to allow a duly authorized representative of the Department access to the permitted system or activity at reasonable times to inspect and test to determine compliance with the permit and the Department rules.

(12) The permittee agrees to maintain any permitted facility, or activity in good condition and in accordance with the plans submitted to the Department under Rule 62-4.530(1), FAC.

(13) A permittee's use of a general permit is limited to five years. However, the permittee may request continued use of the general permit by notifying the Department pursuant to Rule 62-4.530(1), FAC. However, the permittee shall give notice of continued use of a general permit thirty days before it expires.



**Florida Department  
of Environmental Protection**

Twin Towers Office Bldg.  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

DEP Form # 62-551.950(7)  
Form Title Notice of Intent to Use General Permit for  
Corrosion Control for Small and Medium Systems  
Effective Date August 8, 1994  
DEP Application No. \_\_\_\_\_  
(Filled in by DEP)

**RECEIVED**  
**MAR 06 1997**  
**ENVIRONMENTAL  
ENGINEERING  
SECTION**

## Notice of Intent to Use General Permit for Corrosion Control for Small and Medium Systems

**INSTRUCTIONS:** Use of this form is limited to community and non-transient non-community public water systems which serve fewer than 50,000 persons. For public water systems which serve fewer than 10,000 persons, use of this form does not require the services of a registered Professional Engineer. It may be submitted signed by the owner of the water system or authorized representative and the licensed contractor. Use of this form will be disapproved if, for the water quality data listed in Part II below, the proposed treatment selected in Part III below is inconsistent with the guidelines and recommendations published by the U.S. Environmental Protection Agency in *Lead and Copper Rule Guidance Manual, Volume II: Corrosion Control Treatment*.

### PART I. GENERAL WATER SYSTEM INFORMATION

Water System Name: MARSHVIEW Contact person: GORDON GRIMES, P.E.  
 System type (circle one): C or NTNC Contact phone number: (904) 721-4601  
 Identification Number (PWS-ID): 2160547 Mailing address: 1400 MILLCOE RD.  
 Population served: 4,984 City, State ZIP: JACKSONVILLE, FL 32225

### PART II. SUMMARY OF WATER CHEMISTRY DATA. Provide data on existing levels for water quality parameters and lead and copper levels (provide additional sheets as necessary).

Water Quality Parameter - units	Entry Point	Tap		Lead	Copper
Temperature - °C	24.7	24.5	No. of samples	48	48
Conductivity - µmho/cm @ 25°C	633	641		mg/L	mg/L
pH	7.41		Maximum Tap	0.090	3.89
Alkalinity - mg/L	136		Minimum Tap	<0.005	0.070
Total Hardness - mg/L	N/A		90th percentile	<0.005	2.11
Total Dissolved Solids - mg/L	477	N/A	At entry point	<0.005	<0.050
Calcium - mg/L	61.3				
Orthophosphate - mg/L	N/A	N/A			
Silicates - mg/L	N/A	N/A			

### PART III. PROPOSED TREATMENT INFORMATION. Indicate which treatment is proposed.

- Modification of pH (N/A) Existing pH \_\_\_\_\_ Proposed pH \_\_\_\_\_  
 Chemical to be Added \_\_\_\_\_ Dosage rate \_\_\_\_\_ mg/L
- Modification of alkalinity (N/A) Existing alkalinity \_\_\_\_\_ mg/L as CaCO<sub>3</sub> Proposed \_\_\_\_\_ mg/L as CaCO<sub>3</sub>  
 Chemical to be added \_\_\_\_\_ Dosage rate \_\_\_\_\_ mg/L
- Modification of calcium (N/A) Existing calcium \_\_\_\_\_ mg/L as CaCO<sub>3</sub>  
 Proposed calcium \_\_\_\_\_ mg/L as CaCO<sub>3</sub>  
 Chemical to be added \_\_\_\_\_ Dosage rate \_\_\_\_\_ mg/L

**NOTICE OF INTENT TO USE GENERAL PERMIT  
FOR CORROSION CONTROL FOR SMALL AND  
MEDIUM SYSTEMS**

DEP Form # 62-555.950(7)  
Form Title: Notice of Intent to Use General Permit for  
Corrosion Control for Small and Medium Systems  
Effective Date August 18, 1994  
DEP Application No. \_\_\_\_\_  
(Filled in by DEP)

Use of a corrosion inhibitor Brand Name of Proposed Inhibitor CALGON C-5 AND C-15  
Chemical Name of Proposed Inhibitor AQUEOUS PHOSPHATE SOLUTION (C-5) & ZINC ORTHOPHOSPHATE (C-15)  
Dosage rate 3 mg/L

**PART IV. DESCRIPTION OF TREATMENT EQUIPMENT.** Describe injector equipment proposed for use and provide a diagram of how the pumps and injector points are located with respect to other system components.

**BOTH CHEMICALS, C-5 & C-15 WILL HAVE THEIR OWN INJECTION SYSTEM CONSISTING OF: (1) LMI P141-158-S/13.9 GPD CHEMICAL METERING PUMPS, (1) CHEMICAL FEED EDUCTOR, (1)35 GALLON CHEMICAL DRUM. SEE ATTACHED SITE PLAN FOR THIS FACILITY.**

**PART V. TREATMENT EVALUATION.** Describe what procedures will be followed to evaluate the effectiveness of the proposed treatment

**UNITED WATER FLORIDA WILL FOLLOW UP WOTH BIANNUAL MONITORING SAMPLING, AS STIPULATED IN THE FEDERAL RULE 40 CFR PART 141.80 - 141.91.**

**PART VI. PROJECT COST ESTIMATE.** Total Cost of the Proposed Treatment is \$ 4000.00.

**PART VII. STATEMENT BY APPLICANT and LICENSED CONTRACTOR.** The undersigned owner or authorized representative of the above named public water system is fully aware that the statements made in this notice are true and complete to the best of his/her knowledge. The undersigned is fully aware that it is his/her responsibility to operate and maintain this facility in such a manner as to function as it was designed. (The Liscensed Contractor who will install the treatment equipment must sign this statement if no professional engineer has completed Part VIII.)

\_\_\_\_\_  
Signature of the Owner or Authorized Representative  
MUNIPALLI SAMBAMURTHI, V.P.  
Typed or Printed Name and Date

\_\_\_\_\_  
Signature and number of Licensed Contractor  
N/A  
Typed or Printed Name and Date

**PART VIII STATEMENT BY ENGINEER.** (This statement is to be completed when a system has used a professional engineer for this work. It is required for systems serving at least 10,000 persons) This is to certify that the engineering features of this system have been designed by me or by an individual(s) under my direct supervision. I further certify that to the best of my knowledge and belief they have been designed in accordance with Chapter 62-555, F.A.C., the 1987 edition of the "Recommended Standards for Water Works" and any other applicable state or local requirements. It is also stated that the undersigned has or will furnish the applicant with written instructions for the operation and maintenance of this permitted project. A completed Form 62-555.910(9) will be submitted to the Department in order to obtain prior approval to place the system in service, including a copy of the permit and bacteriological test results and "as-built" drawings or their location as required and any applicable local requirements.

  
\_\_\_\_\_  
Signature and Date (Affix Seal)  
GORDON GRIMES, P.E. 25441  
Name (please type) Florida Registration No.

UNITED WATER FLORIDA  
Company Name (please type)  
1400 MILLCOE RD.  
Company Address (please type)  
JACKSONVILLE, FL 32225 (904)565-1797  
City, State Zip Code Phone No.

## ATTACHMENT

February 25, 1997

Marshview WTP, PWS ID: 2160547  
Notice of Intent to Use General Permit for  
Corrosion Control for Small and Medium Systems

### Additional Technical Information:

1. The proposed chemical metering pumps are manufactured by LMI, model LMI P141-158-S, with a design capacity of 13.9 gpd. This same type pump is currently being used at Monument Rd WTP and San Jose WTP for the same application. In addition, a backup pump of the same type and capacity will be provided as a redundant pump in case of failure of any of the other two pumps.
2. The Marshview WTP is located a few hundred yards away from the Marshview WWTP. Since the Marshview wastewater plant is required to have an operator on-site for 16 hrs/day, our operators check the operation of the water plant as well several times a day, 7 days a week. Therefore, the proposed corrosion control system will be checked several times a day, 7 days a week. Also, UWF initially proposes to have at least an additional drum of Calgon C-5 and C-15 chemicals at the plant at all times. One drum of each chemical is required per month and the additional drum will be used to allow switch over without interruption of chemical feed.
3. UWF proposes to use corrosion inhibitor chemical feed systems as a temporary measure until the permanent, packed tower aerators can be installed. This approach is the result of a 5-year H<sub>2</sub>S and corrosion control study conducted by the University of Florida for United Water Florida. The HRS acknowledged receipt of the pilot study reports by means of a letter dated October 28, 1994. Also, in this letter the HRS recommended to use chemical addition as a temporary measure until the aeration upgrades can be accomplished, as recommended in the study reports.
4. No safety equipment is required for handling the proposed chemicals. However, the Marshview WTP is equipped with eyewash facilities, chemical leak alarms, and proper chemical handling gear as company safety measures.
5. The proposed chemical feed rate is 2 mg/l of C-5 and 1 mg/l of C-15, as recommended by Calgon, based on the pilot study and actual system in operation at Monument Rd. WTP.
6. UWF is currently monitoring corrosion inhibitor chemical use at Monument Rd WTP, and will monitor corrosion inhibitor chemical use at Marshview as well.
7. UWF proposes to feed the chemicals directly to the inside of the ground storage tank, as it is successfully done at Monument Rd. WTP. The option of feeding the corrosion inhibitor chemicals on top of the cascade aerator was considered. However, Calgon expressed a concern about feeding the chemicals outdoors, which exposes phosphorous to U.V. light and the remote possibility of creating a condition favorable for algae growth.



Lawton Chiles  
Governor

James T. Howell, M.D., M.P.H.  
Secretary

NOTICE OF PERMIT ISSUANCE

CERTIFIED - RETURN RECEIPT # P 394 241 061

**RECEIVED**  
DEC 29 1997  
UNITED WATER FLORIDA

Mr. Munipalli Sambamurthi, P. E.,  
Manager/Vice President  
United Water Florida Inc.  
1400 Millcoe Road  
Jacksonville, Florida 32225

Dear Mr. Sambamurthi:

Duval County - Potable Water  
Community Water Treatment Plant  
Marshview Water Treatment Plant Improvements

Enclosed is Permit No. 1697-WD-3993 dated December 19, 1997, to construct the subject project, issued pursuant to Section(s) 403.087, Florida Statutes.

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

The Petition shall contain the following information:

- (a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department of Health/Duval County Health Department (DOH/DCHD) Permit File Number and the county in which the project is proposed;
- (b) A statement of how and when each petitioner received notice of the DOH/DCHD's action or proposed action;

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**Duval County Health Department**

Environmental Health/Engineering Division • 900 University Blvd. N., Suite 300 • Jacksonville, Florida • 32211 • (904) 630-3272  
FAX (904) 745-3026

*In partnership with the City of Jacksonville*

- (c) A statement of how and when each petitioner's substantial interests are affected by the DOH/DCHD's action or proposed action;
- (d) A statement of the material facts disputed by Petitioner, if any;
- (e) A statement of facts which petitioner contends warrant reversal or modification of the DOH/DCHD's action or proposed action;
- (f) A statement of which rules or statutes petitioner contends require reversal or modification of the DOH/DCHD's action or proposed action;
- (g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department of Environmental Protection to take with respect to the DOH/DCHD's action or proposed action.

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

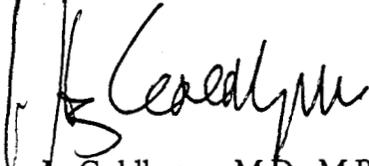
This permit is final and effective on the date filed with the Clerk of the DOH/DCHD unless a petition is filed in accordance with the above paragraphs or unless a request for extension of time in which to file a petition is filed within the time specified for filing a petition and conforms to Rule 62-103.070,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

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

Permit No. 1697-WD-3993  
Page Three

Executed in Jacksonville, Florida.

STATE OF FLORIDA DOH/DUVAL  
COUNTY HEALTH DEPARTMENT

  
Jeffrey L. Goldhagen, M.D., M.P.H.  
Director

JLG/TRH/TJT/tkf

Copies furnished to:

Robert L. Bates, Jr., P.E.  
Robert Bates & Associates, Inc.  
2715 Oak Street  
Jacksonville, Florida 32205

CERTIFICATE OF SERVICE

This is to certify that this NOTICE OF PERMIT and all copies were mailed before the close of business on *December 23*, 1997 to the listed persons.

FILING AND ACKNOWLEDGEMENT  
FILED, on this date, pursuant to S120.52 Florida  
Statutes, with the designated Department Clerk,  
receipt of which is hereby acknowledged.  
*Jerry Joeman* *12/23/97*  
Clerk Date



Lawton Chiles  
Governor

James T. Howell, M.D., M.P.H.  
Secretary

PERMITTEE:  
Mr. Munipalli Sambamurthi, P. E.,  
Manager/Vice President  
United Water Florida Inc.  
1400 Millcoe Road  
Jacksonville, Florida 32225

Permit/Cert Number: 1697-WD-3993  
Date of Issue: December 19, 1997  
Expiration Date: December 19, 1999  
County: Duval  
Lat/Long: N/A  
Section/Township/Range: 06/3S/29E  
Project: Community Water Treatment Plant for  
Marshview Water Treatment Plant Improvements

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rule(s) 62-555 (formerly 17-22). The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the DOH/DCHD and made a part hereof and specifically described as follows:

To install a new 300,000 gallon prestressed concrete ground storage tank and a 2,600 gpm fiberglass cascading aerator, and associated valves fittings and piping to inactivate and take off line the existing two 34,000 gallon storage tanks. The limiting average day plant capacity will be 1.8 mgd based on a 4 hour retention time in the ground storage tank.

PERMITTEE: Munipalli Sambamurthi, P. E., - Permit/Cert Number: 1697-WD-3993  
Manager/Vice President - United Water Florida Inc. Date of Issue: December 19, 1997  
1400 Millcoe Road, Jacksonville, Florida 32225 Expiration Date: December 19, 1999

#### GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions" and as such are binding upon the permittee and enforceable pursuant to the authority of Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is hereby placed on notice that the DOH/DCHD will review this permit periodically and may initiate enforcement action for any violation of the "Permit Conditions" by the permittee, its agents, employees, servants, or representatives.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department of Environmental Protection.
3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Nor does it authorized any injury to public or private property or any invasion of personal rights, nor any infringement of Federal, state or local laws or regulations. This permit does not constitute a waiver of or approval of any other Department of Environmental Protection permit that may be required for other aspects of the total project which are not addressed in the permit.
4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the state. Only the Trustees of the Internal Improvement Trust Fund may express state opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, plant or aquatic life or property and penalties therefore 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 the Department of Environmental Protection rules, unless specifically authorized by an order from the Department of Environmental Protection.
6. The permittee shall at all times properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by the Department of Environmental Protection rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by the Department of Environmental Protection rules.

PERMITTEE: Munipalli Sambamurthi, P. E., -  
Manager/Vice President - United Water Florida Inc.-  
1400 Millcoe Road, Jacksonville, Florida 32225

Permit/Cert Number: 1697-WD-3993  
Date of Issue: December 19, 1997  
Expiration Date: December 19, 1999

7. The permittee, by accepting this permit, specifically agrees to allow authorized DOH/DCHD personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:

- a. Having access to and copying any records that must be kept under the conditions of the permit;
- b. Inspecting the facility, equipment, practices, or operations regulated or required under this permit; and
- c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or the Department of Environmental Protection rules.

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

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

- a. A description of and cause of non-compliance; and
- b. The period of non-compliance, including exact dates and times; or, if not corrected, the anticipated time the non-compliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the non-compliance.

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department of Environmental Protection for penalties or revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source, which are submitted to the DOH/DCHD, may be used by the Department of Environmental Protection as evidence in any enforcement case arising under the Florida Statutes or the Department of Environmental Protection rules, except where such use is proscribed by Sections 403.73 and 403.111, Florida Statutes.

10. The permittee agrees to comply with changes in the Department of Environmental Protection 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 the Department of Environmental Protection rules.

PERMITTEE: Munipalli Sambamurthi, P. E., -  
Manager/Vice President - United Water Florida Inc.-  
1400 Millcoe Road, Jacksonville, Florida 32225

Permit/Cert Number: 1697-WD-3993  
Date of Issue: December 19, 1997  
Expiration Date: December 19, 1999

11. This permit is transferable only upon DOH/DCHD approval in accordance with Florida Administrative Code Rules 62-4.12 and 27-30.30, as applicable the permittee shall be liable for any noncompliance of the permitted activity until the transfer is approved by the DOH/DCHD.

12. This permit is required to be kept at the work site of the permitted activity during the entire period of construction or operation.

13. This permit also constitutes:

- ( ) Determination of Best Available Control Technology (BAC)
- ( ) Determination of Prevention of Significant Deterioration (PSD)
- ( ) Certification of Compliance with State Water Quality Standards (Section 401, PL 92-500)
- ( ) Compliance with New Source Performance Standards

14. The permittee shall comply with the following monitoring and record keeping requirement:

- a. Upon request, the permittee shall furnish all records and plans required under the Department of Environmental Protection rules. The retention period for all records will be extended automatically, unless otherwise stipulated by the Department of Environmental Protection during the course of any unresolved enforcement action.
- b. The permittee shall retain at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation), copies of all reports required by this permit, and records of all data used to complete the application for this permit. The time period of retention shall be at least three years from the date of the sample, measurement, report or application unless otherwise specified by the Department of Environmental Protection rule.
- c. Records of monitoring information shall include:
  - the date, exact place, and time of sampling or measurements;
  - the person responsible for performing the sampling or measurements;
  - the date(s) analyses were performed;
  - the person responsible for performing the analyses;

PERMITTEE: Munipalli Sambamurthi, P. E., -  
Manager/Vice President - United Water Florida Inc.-  
1400 Millcoe Road, Jacksonville, Florida 32225

Permit/Cert Number: 1697-WD-3993  
Date of Issue: December 19, 1997  
Expiration Date: December 19, 1999

- the analytical techniques or methods used; and
- the results of such analyses.

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

#### SPECIFIC CONDITIONS:

1. This approval is given with the understanding that upon the installation of such work its operations shall be placed under the care of a competent person, whose qualifications are approved by the Department of Environmental Protection and the operation shall be carried out according to best accepted practice and in accordance with the requirements of the rules and regulations of the Department of Environmental Protection. This includes not only the provision of continuing essential funds for operation and maintenance of chemical supplies for plant operation; but also the funds of maintenance of equipment and supplying the needs of a suitable water plant laboratory which is required for proper operation of this water treatment facility.
2. Water supply facilities including mains shall be installed, cleaned, disinfected and bacteriologically cleared for service; in accordance with the latest applicable AWWA Standards and the Department of Environmental Protection.
3. Minimum 10 foot horizontal separation must be maintained between any type of sewer and water main in parallel installation. Exceptions can be considered in accordance with DER Technical Guidance Memorandum dated July 17, 1991 or Ten State Standards 8.6.2, 8.6.4 and 8.6.5.
4. Minimum 18 inch vertical clearance with a length of pipe centered at the crossing must be maintained between any type of sewer and water main crossing. Exceptions can be considered in accordance with DER Technical Guidance Memorandum dated July 17, 1991 or Ten State Standards 8.6.3, 8.6.4 and 8.6.5.
5. All PVC pipe (other than PVC smaller than 4 inch) must conform to AWWA Standard C900-89. All PVC pipe smaller than 4 inch must be NSF-pw and be equivalent to or better than AWWA DR 25 pipe - Schedule 40, Schedule 80 or ASTM SDR 21 (or lower) is acceptable. The AWWA Standard for the other proposed pipe must be specified D.I.P. that is Class 50 or higher. (DER-DWS-91-001) and Ten State Standards 8.0.1.

PERMITTEE: Munipalli Sambamurthi, P. E., -  
Manager/Vice President - United Water Florida Inc.-  
1400 Millcoe Road, Jacksonville, Florida 32225

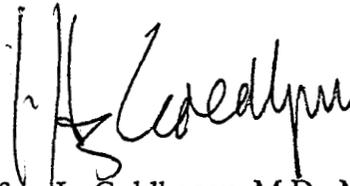
Permit/Cert Number: 1697-WD-3993  
Date of Issue: December 19, 1997  
Expiration Date: December 19, 1999

6. Certification as to construction of this project in accordance with the approved plans by a Florida Registered Professional Engineer together with satisfactory bacteriological analyses, record drawings, and supporting documentation shall be provided and a letter of clearance obtained from this Agency before placing these facilities in service.

7. The provisions of Mr. Robert L. Bates, Jr.'s November 13, 1997 letter are incorporated as a specific condition of this permit.

Issued this 19th day of December, 1997

STATE OF FLORIDA DOH/DUVAL  
COUNTY HEALTH DEPARTMENT



Jeffrey L. Goldhagen, M.D., M.P.H.  
Director

JLG/TRH/TJT/tkf

cc: Robert L. Bates, Jr., P.E.  
Robert Bates & Associates, Inc.  
2715 Oak Street  
Jacksonville, Florida 32205

**FILING AND ACKNOWLEDGEMENT**  
FILED on this date, pursuant to §120.52 Florida  
Statutes, with the designated Department Clerk,  
receipt of which is hereby acknowledged.  
Jerry Joeman 12/23/97  
Clerk Date



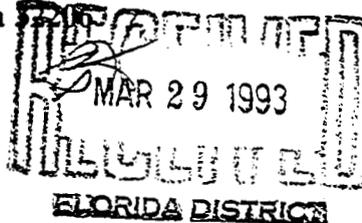
STATE OF FLORIDA  
DEPARTMENT OF HEALTH AND  
REHABILITATIVE SERVICES

District Four

LAWTON CHILES, GOVERNOR  
ROBERT B. WILLIAMS, SECRETARY

HRS Duval County Public Health Unit

515 West Sixth Street G.W.C.  
Jacksonville, Florida



ED AUSTIN, MAYOR

NOTICE OF PERMIT ISSUANCE

CERTIFIED - RETURN RECEIPT # P 716 260 999

Mr. Philip Heil, Vice President  
Jacksonville Suburban Utilities Corporation  
644 Cesery Blvd., Suite 108  
Jacksonville, Florida 32211

Dear Mr. Heil:

Duval County - Potable Water  
Public "Community" Water Treatment Plant  
Marshview Water Treatment Plant Rehabilitation  
14514 Plumosa Drive  
Jacksonville, Florida

Enclosed is Permit No. 1692-WD-2644 dated March 23, 1993, to construct the subject project, issued pursuant to Section(s) 403.087, Florida Statutes.

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

The Petition shall contain the following information:

- (a) The name, address, and telephone number of each petitioner, the applicant's name and address, the HRS/Duval County Public Health Unit (DCPHU) Permit File Number and the county in which the project is proposed;
- (b) A statement of how and when each petitioner received notice of the HRS/DCPHU's action or proposed action;

- (c) A statement of how and when each petitioner's substantial interests are affected by the HRS/DCPHU's action or proposed action;
- (d) A statement of the material facts disputed by Petitioner, if any;
- (e) A statement of facts which petitioner contends warrant reversal or modification of the HRS/DCPHU's action or proposed action;
- (f) A statement of which rules or statutes petitioner contends require reversal or modification of the HRS/DCPHU's action or proposed action;
- (g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department of Environmental Regulation to take with respect to the HRS/DCPHU's action or proposed action.

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

This permit is final and effective on the date filed with the Clerk of the HRS/DCPHU unless a petition is filed in accordance with the above paragraphs or unless a request for extension of time in which to file a petition is filed within the time specified for filing a petition and conforms to Rule 17-103.070, F.A.C. Upon timely filing of a petition or a request for and extension of time this permit will not be effective until further Order of the HRS/DCPHU.

When the Order (Permit) is final, any party to the Order has the right to seek judicial review of the Order pursuant to Section 120.68, Florida Statutes, by filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate procedure with the Clerk of the Department of Environmental Regulation in the Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32399-

2400; and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed with the Clerk of the Department of Environmental Regulation.

Executed in Jacksonville, Florida.

STATE OF FLORIDA HRS/DUTYAL  
COUNTY PUBLIC HEALTH UNIT

*James T. McGibony, Jr.*

James T. McGibony, Jr.  
Administrator

JTM/TRH/tkf

Copies furnished to:

Mr. Jerry M. Owen, P. E.  
Department of Environmental Regulation  
Mr. Stephen Manis, P. E.  
Jacksonville Suburban Utilities Corp.

CERTIFICATE OF SERVICE

This is to certify that this NOTICE OF PERMIT and all copies were mailed before the close of business on March 26, 1993 to the listed persons.

FILING AND ACKNOWLEDGEMENT

FILED, on this date, pursuant to S12052 Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

*Jerry Stearns*  
Clerk  
Date 3/26/93



STATE OF FLORIDA  
DEPARTMENT OF HEALTH AND  
REHABILITATIVE SERVICES

District Four

**HRS Duval County Public Health Unit**  
515 West Sixth Street  
Jacksonville, Florida 32206



ED AUSTIN, MAYOR

LAWTON CHILES, GOVERNOR  
ROBERT B. WILLIAMS, SECRETARY

<b>PERMITTEE:</b>	Permit/Cert Number: 1692-WD-2644
Mr. Philip Heil, Vice President	Date of Issue: March 23, 1993
Jacksonville Suburban Utilities	Expiration Date: March 23, 1994
644 Cesery Blvd, Suite 108	County: Duval
Jacksonville, Florida 32211	Lat/Long: 30 16'51"N/81 25'53"W
	Section/Township/Range: 6/3S/29E
	Project: Public "Community" Water
	Treatment Plant - Marshview Water
	Treatment Plant Rehabilitation
	14514 Plumosa Drive - Jacksonville,
	Florida

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rule(s) 17-555 (formerly 17-22). The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the HRS/DCPHU and made a part hereof and specifically described as follows:

A rehabilitation of the existing water treatment plant to replace the aerator and hydro pneumatic tank and add an auxiliary power generator high service pumps and a new chlorination facility. The resulting plant will have a 1,000 gallon per minute well pump, a 1,500 gallon per minute cascading type aerator, two ground storage tanks with a total 70,670 gallon volume, three high service pumps (380, 380 & 800 gallon per minute capacity) and a 2,000 gallon hydro pneumatic storage tank.

PERMITTEE: Philip Heil, Vice Permit/Cert Number: 1692-WD-2644  
President, Jacksonville Suburban Date of Issue: March 23, 1993  
Utilities Corporation Expiration Date: March 23, 1994

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions" and as such are binding upon the permittee and enforceable pursuant to the authority of Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is hereby placed on notice that the HRS/DCPHU will review this permit periodically and may initiate enforcement action for any violation of the "Permit Conditions" by the permittee, its agents, employees, servants, or representatives.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department of Environmental Regulation.
3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Nor does it authorized any injury to public or private property or any invasion of personal rights, nor any infringement of Federal, state or local laws or regulations. This permit does not constitute a waiver of or approval of any other Department of Environmental Regulation permit that may be required for other aspects of the total project which are not addressed in the permit.
4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgement of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the state. Only the Trustees of the Internal Improvement Trust Fund may express state opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, plant or aquatic life or property and penalties therefore 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 the Department of Environmental Regulation rules, unless specifically authorized by an order from the Department of Environmental Regulation.
6. The permittee shall at all times properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by the Department of Environmental Regulation rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by the Department of Environmental Regulation rules.

PERMITTEE: Philip Heil, Vice Permit/Cert Number: 1692-WD-2644  
President, Jacksonville Suburban Date of Issue: March 23, 1993  
Utilities Corporation Expiration Date: March 23, 1994

7. The permittee, by accepting this permit, specifically agrees to allow authorized HRS/DCPHU personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:

- a. Having access to and copying any records that must be kept under the conditions of the permit;
- b. Inspecting the facility, equipment, practices, or operations regulated or required under this permit; and
- c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or the Department of Environmental Regulation rules.

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

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

- a. A description of and cause of non-compliance; and
- b. The period of non-compliance, including exact dates and times; or, if not corrected, the anticipated time the non-compliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the non-compliance.

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department of Environmental Regulation for penalties or revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source, which are submitted to the HRS/DCPHU, may be used by the Department of Environmental Regulation as evidence in any enforcement case arising under the Florida Statutes or the Department of Environmental Regulation rules, except where such use is proscribed by Sections 403.73 and 403.111, Florida Statutes.

10. The permittee agrees to comply with changes in the Department of Environmental Regulation 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 the Department of Environmental Regulation rules.

PERMITTEE: Philip Heil, Vice Permit/Cert Number: 1692-WD-2644  
President, Jacksonville Suburban Date of Issue: March 23, 1993  
Utilities Corporation Expiration Date: March 23, 1994

11. This permit is transferable only upon HRS/DCPHU approval in accordance with Florida Administrative Code Rules 17-4.12 and 27-30.30, as applicable the permittee shall be liable for any noncompliance of the permitted activity until the transfer is approved by the HRS/DCPHU.

12. This permit is required to be kept at the work site of the permitted activity during the entire period of construction or operation.

13. This permit also constitutes:

- ( ) Determination of Best Available Control Technology (BAC)
- ( ) Determination of Prevention of Significant Deterioration (PSD)
- ( ) Certification of Compliance with State Water Quality Standards (Section 401, PL 92-500)
- ( ) Compliance with New Source Performance Standards

14. The permittee shall comply with the following monitoring and record keeping requirement:

- a. Upon request, the permittee shall furnish all records and plans required under the Department of Environmental Regulation rules. The retention period for all records will be extended automatically, unless otherwise stipulated by the Department of Environmental Regulation during the course of any unresolved enforcement action.
- b. The permittee shall retain at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation), copies of all reports required by this permit, and records of all data used to complete the application for this permit. The time period of retention shall be at least three years from the date of the sample, measurement, report or application unless otherwise specified by the Department of Environmental Regulation rule.
- c. Records of monitoring information shall include:
  - the date, exact place, and time of sampling or measurements;
  - the person responsible for performing the sampling or measurements;
  - the date(s) analyses were performed;
  - the person responsible for performing the analyses;

PERMITTEE: Philip Heil, Vice Permit/Cert Number: 1692-WD-2644  
President, Jacksonville Suburban Date of Issue: March 23, 1993  
Utilities Corporation Expiration Date: March 23, 1994

- the analytical techniques or methods used; and
- the results of such analyses.

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

SPECIFIC CONDITIONS:

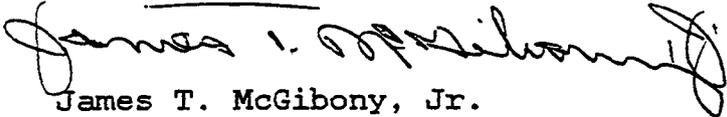
1. This approval is given with the understanding that upon the installation of such work its operations shall be placed under the care of a competent person, whose qualifications are approved by the Department of Environmental Regulation and the operation shall be carried out according to best accepted practice and in accordance with the requirements of the rules and regulations of the Department of Environmental Regulation. This includes not only the provision of continuing essential funds for operation and maintenance of chemical supplies for plant operation; but also the funds of maintenance of equipment and supplying the needs of a suitable water plant laboratory which is required for proper operation of this water treatment facility.
2. Water supply facilities including mains shall be installed, cleaned, disinfected and bacteriologically cleared for service; in accordance with the latest applicable AWWA Standards and the Department of Environmental Regulation.
3. Minimum 10 foot horizontal separation must be maintained between any type of sewage and water main in parallel installation. Exceptions can be considered in accordance with DER Technical Guidance Memorandum dated July 17, 1991. Ten State Standards 8.6.2, 8.6.4 and 8.6.5.
4. Minimum 18 inch vertical clearance must be maintained between any type of sewer and water main crossing. Exceptions can be considered in accordance with DER Technical Guidance Memorandum dated July 17, 1991. Ten State Standards 8.6.3, 8.6.4 and 8.6.5.
5. Certification as to construction of this project in accordance with the approved plans by a Florida Registered Professional Engineer together with satisfactory bacteriological analyses shall be provided and a letter of clearance obtained from this Agency before placing these facilities in service.

PERMITTEE: Philip Heil, Vice Permit/Cert Number: 1692-WD-2644  
President, Jacksonville Suburban Date of Issue: March 23, 1993  
Utilities Corporation Expiration Date: March 23, 1994

6. All PVC pipe shall bear the National Sanitation Foundation (NSF) seal of approval for potable water pipe.
7. The openings of the aerator housing shall be protected from insects by 24 mesh screen.
8. The chlorine room shall be provided with a shatter resistant inspection window installed in an interior wall.
9. The chlorine room shall be provided with restraint devices to secure chlorine cylinders.
10. A written routine cross connection control program to detect and prevent cross-connections shall be maintained in accordance with section 17-555.360(2) of the Florida Administrative Code.

Issued this 23rd day of March, 1993

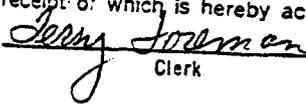
STATE OF FLORIDA HRS/DUVAL  
COUNTY PUBLIC HEALTH UNIT

  
James T. McGibony, Jr.  
Administrator

JTM/TRH/tkf

Jerry M. Owen, P. E.  
Department of Environmental Regulation  
Mr. Stephen Manis, P. E.  
Jacksonville Suburban Utilities Corp.

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

  
Clerk  
3/26/93  
Date



# Department of Environmental Protection

Lawton Chiles  
Governor

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

Virginia B. Wetherell  
Secretary

## NOTICE OF PERMIT ISSUANCE

### CERTIFIED - RETURN RECEIPT

Mr. Philip Heil, Vice President  
Jacksonville Suburban Utilities Corp  
644 Cesery Blvd., Suite 108  
Jacksonville, Florida 32211

Dear Mr. Heil:

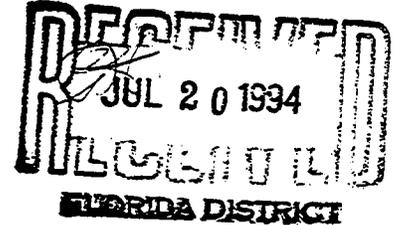
St. Johns County - Potable Water  
St. Johns North Plant Expansion

Enclosed is Permit No. WC55-249338 dated July 12, 1994 to expand existing Water Treatment Plant, issued pursuant to Section(s) 403.087, Florida Statutes.

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

The Petition shall contain the following information;

- (a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department Permit File Number and the county in which the project is proposed;
- (b) A statement of how and when each petitioner received notice of the Department's action or proposed action;
- (c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action;



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

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

This permit is final and effective on the date filed with the Clerk of the Department unless a petition is filed in accordance with the above paragraphs or unless a request for extension of time in which to file a petition is filed within the time specified for filing a petition and conforms to Rule 17-103.070, F.A.C. Upon timely filing of a petition or a request for an extension of time this permit will not be effective until further Order of the Department.

When the Order (Permit) is final, any party to the Order has the right to seek judicial review of the Order pursuant to Section 120.68, Florida Statutes, by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate procedure, with the Clerk of the Department in the Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400; and by filing a copy of the Notice of Appeal

Permit No. WC55-249338  
Page Three

accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed within 30 days from the date the Final Order is filed with the Clerk of the Department.

Executed in Jacksonville, Florida.

FILING AND ACKNOWLEDGEMENT

FILED, on this date, pursuant to S120.52 ,  
Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

Anthony R. Lomen  
Clerk

7/18/94  
Date

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL PROTECTION

Ernest E. Frey, P.E.  
Director of District Management

Copies furnished to: Mr. Stephen Manis, P. E.  
St. Johns County Health Department

CERTIFICATE OF SERVICE

This is to certify that this NOTICE OF PERMIT and all copies were mailed before the close of business on July 18 , 1994 to the listed persons.



# Department of Environmental Protection

Lawton Chiles  
Governor

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

Virginia B. Wetherell  
Secretary

**PERMITTEE:**

Mr. Philip Heil, Vice President  
Jacksonville Suburban Utilities  
Corporation  
644 Cesery Blvd., Suite 108  
Jacksonville, Florida 32211

**I.D. Number:**

Permit/Cert Number: WC55-249338  
Date of Issue: July 12, 1994  
Expiration Date: July 12, 1996  
County: St. Johns  
Lat/Long: 30°5'50"N/81°36'44"W  
Sec/Town/Rge: 5 5S 27E  
Project: St. Johns North WTP

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rule(s) 17-555 (formerly 17-22). The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the Department and made a part hereof and specifically described as follows:

**Description:** Expansion of existing St. Johns North WTP to include a new aerator @ 1726 gpm, 3 HSP's: 2 @ 800 gpm, 1 @ 530 gpm, a new GST tank of 100,000 gallons, a 3,000 gallon hydropneumatic tank, and the addition of 2-50 ppd chlorinators. The existing plant will be abandoned with the exception of the supply wells and chlorination equipment.

**Location:** St. Johns North WTP is located at 2455 Hawkcrest Drive, just east of County Road 13, approximately 2 miles South of the Julington Creek Bridge in St. Johns County Florida.

PERMITTEE:  
Mr. Philip Heil, Vice President  
644 Cesery Blvd., Suite 108  
Jacksonville, Florida 32211

ID NUMBER:  
PERMIT/CERT NUMBER: WC55-249338  
ISSUE DATE: July 12, 1994  
EXPIRATION DATE: July 12, 1996

GENERAL CONDITIONS:

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

PERMITTEE:

Mr. Philip Heil, Vice President  
644 Cesery Blvd., Suite 108  
Jacksonville, Florida 32211

ID NUMBER:

PERMIT/CERT NUMBER: WC55-249338  
ISSUE DATE: July 12, 1994  
EXPIRATION DATE: July 12, 1996

6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the permittee to achieve compliance with the conditions of this permit, are required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.
7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at reasonable times, access to the premises where the permitted activity is located or conducted to:
  - a. Have access to and copy any records that must be kept under conditions of the permit;
  - b. Inspect the facility, equipment, practices, or operations regulated or required under this permit; and
  - c. Sample or monitor any substances or parameters at any location reasonable necessary to assure compliance with this permit or Department rules. Reasonable time may depend on the nature of the concern being investigated.
8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:
  - a. A description of and cause of noncompliance; and
  - b. The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to educe, eliminate, and prevent recurrence of the noncompliance. The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.

PERMITTEE:

Mr. Philip Heil, Vice President  
644 Cesery Blvd., Suite 108  
Jacksonville, Florida 32211

ID NUMBER:

PERMIT/CERT NUMBER: WC55-249338  
ISSUE DATE: July 12, 1994  
EXPIRATION DATE: July 12, 1996

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Section 403.111 and 403.73, F.S. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.
10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules. A reasonable time for compliance with a new or amended surface water quality standard, other than those standards addressed in Rule 17-302.500, shall include a reasonable time to obtain or be denied a mixing zone for the new or amended standard.
11. This permit is transferable only upon Department approval in accordance with Rule 17-4.120 and 17-730.300 F.A.C., as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.
12. This permit or a copy thereof shall be kept at the work site of the permitted activity.
13. This permit also constitutes:
  - ( ) Determination of Best Available Control Technology (BACT)
  - ( ) Determination of Prevention of Significant Deterioration (PSD)
  - ( ) Certification of compliance with state Water Quality Standards (Section 401, PL 92-500)
  - ( ) Compliance with New Source Performance Standards
14. The permittee shall comply with the following:
  - a. Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.

PERMITTEE:

Mr. Philip Heil, Vice President  
644 Cesery Blvd., Suite 108  
Jacksonville, Florida 32211

ID NUMBER:

PERMIT/CERT NUMBER: WC55-249338  
ISSUE DATE: July 12, 1994  
EXPIRATION DATE: July 12, 1996

- b. The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.
- c. Records of monitoring information shall include:
- the date, exact place, and time of sampling or measurements;
  - the person responsible for performing the sampling or measurements;
  - the dates analyses were performed;
  - the person responsible for performing the analyses;
  - the analytical techniques or methods used;
  - the results of such analyses.
15. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware the relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.

**PERMITTEE:**

Mr. Philip Heil, Vice President  
644 Cesery Blvd., Suite 108  
Jacksonville, Florida 32211

**ID NUMBER:**

PERMIT/CERT NUMBER: WC55-249338  
ISSUE DATE: July 12, 1994  
EXPIRATION DATE: July 12, 1996

**SPECIFIC CONDITIONS:**

1. This approval is given with the understanding that upon the installation of such works its operations shall be placed under the care of a competent person, whose qualifications are approved by the Department and the operation shall be carried out according to best accepted practice and in accordance with the requirements of the rules and regulations of the Department. This includes not only the provision of continuing essential funds for operation and maintenance of chemical supplies for plant operation; but also the funds for maintenance of equipment and supplying the needs of a suitable water plant laboratory which is required for proper operation of this water treatment facility.
2. Where water and sewer mains cross with less than 18" vertical clearance, both the water and sewer will be 20 ft. of ductile iron pipe, centered on the point of crossing. When a water main parallels a sewer main, a separation of at least 10 ft. should be maintained where practical.
3. All PVC pipe shall bear the National Sanitation Foundation (NSF) seal of approval for potable water pipe.
4. This project must be completed prior to the expiration date of the permit. Otherwise, the applicant must submit a written request to the Department thirty days prior to the expiration date requesting an extension of the permit or the applicant will need to reapply for a new permit.
5. Permittee shall follow the guidelines of Chapter 17-555, F.A.C. for construction of a public drinking water system.
6. Before the system can be placed into service, a Certification of Construction Completion [DEP Form 17-555.910(9)] shall be completed by the engineer of record along with satisfactory bacteriological results as described in Rule 17-555.345, FAC and submitted to the Department for evaluation and approval for use. In order to facilitate the Department's issuance of a letter of clearance, we are requesting that the bacteriological analyses be attached to the engineer's certification.

PERMITTEE:  
Mr. Philip Heil, Vice President  
644 Cesery Blvd., Suite 108  
Jacksonville, Florida 32211

ID NUMBER:  
PERMIT/CERT NUMBER: WC55-249338  
ISSUE DATE: July 12, 1994  
EXPIRATION DATE: July 12, 1996

SPECIFIC CONDITIONS:

7. Permittee shall properly abandon existing system and piping to avoid any cross connection with the new water system.
8. Permittee shall ensure that all vents and overflows are properly screened with a 20 mesh screen to provide protection from insects.

Issued this 18<sup>th</sup> day of July 1994

FILING AND ACKNOWLEDGEMENT  
FILED, on this date, pursuant to §120.52  
Florida Statutes, with the designated Depart-  
ment Clerk, receipt of which is hereby acknow-  
ledged.

Antonia R. Lomen  
Clerk

7/18/94  
Date

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL PROTECTION

Ernest E. Frey, P.E.  
Director of District Management

# REMINDER TO CLEAR SYSTEM BEFORE PLACING IT INTO SERVICE

After construction of the drinking water system and prior to placing the water system into use, you must submit the following items to the Department for approval and obtain a clearance letter from this office:

- a. Certified record drawings of the system signed and sealed by engineer of record, if there are deviations from the original plans.
- b. Engineer's Certification of Completion of Construction and Request for Letter of Release, submitted on DEP form 17.555.910(9) signed and sealed by the engineer of record and the utility or the person accepting responsibility for the maintenance of the water system;
- c. Satisfactory analysis results from bacteriological samples collected on two consecutive days, immediately downstream of the water plants and at least one sample from the beginning and end of each new main or branch line. In case of long water mains one sample shall be collected every 1000 feet along the main;
- d. Any additional chemical analyses necessary for the clearance of the system.
- e. Any additional information requested in the specific conditions of the permit, if applicable.

Please note, that failure to provide the required information and obtain a clearance letter from the Department before placing the system into service, will result in enforcement action which will include civil penalties.

If you have any questions please call the Potable Water Section at (904) 448-4330. Thank you for your cooperation in this matter.



Todd

# Department of Environmental Protection

Lawton Chiles  
Governor

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

Virginia B. Wetherell  
Secretary

## NOTICE OF PERMIT ISSUANCE

### CERTIFIED - RETURN RECEIPT

Mr. M. Sambamurthi, P. E., Manager  
United Water Florida  
Post Office Box 8004  
Jacksonville, Florida 32239-8004

*file - Permit file  
09/2001*

**RECEIVED**  
OCT 29 1997  
**UNITED WATER FLORIDA**

Dear : Mr. Sambamurthi:

St. Johns County - Potable Water  
St. Johns North WTP Improvements/Construction of a 400,00 Gal. Ground Storage Tank

Enclosed is permit 0080394-001-WC , dated October 24, 1997, to construct a 400,00 gallon ground storage tank, issued pursuant to Section(s) 403.087, Florida Statutes (F.S.).

A person whose substantial interests are affected by this permit may petition for an administrative proceeding (hearing) in accordance with Section 120.57, F.S. The petition must contain the information set forth below and must be filed (received) at the Department's Office of General Counsel, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000, within 14 days of receipt of this Permit. Petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. Failure to file a petition within this time period shall constitute a waiver of any right such person may have to request an administrative determination (hearing) under Section 120.57, F.S.

The petition shall contain the following information:

- (a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department Permit File Number and the county in which the project is proposed;
- (b) A statement of how and when each petitioner received notice of the Department's action or proposed action;
- (c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action;

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

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

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

When the Order (Permit) is final, any party to the Order has the right to seek judicial review of the Order pursuant to Section 120.68, Florida Statutes, by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate procedure, with the Clerk of the Department in the Office of General Counsel, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399 3000; and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed within 30 days from the date the Final Order is filed with the Clerk of the Department.

Mr. Sambamurthi  
Permit 0080394-001-WC  
Page 3 of 3

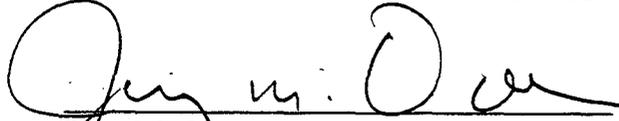
Executed in Jacksonville, Florida.

FILING AND ACKNOWLEDGEMENT

FILED, on this date, pursuant to S120.52 ,  
Florida Statutes, with the designated Depart-  
ment Clerk, receipt of which is hereby acknow-  
ledged.

Authoria R. Lomen      10-24-97  
Clerk                                      Date

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL PROTECTION

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

JMO:BRR:JEB  
Permitting File

Copies furnished to:  
Mr. Robert L. Bates, Jr., P. E.  
St. Johns County Department of Health

CERTIFICATE OF SERVICE

This is to certify that this NOTICE OF PERMIT and all copies were mailed before the close of  
business on October 24, 1997 to the listed persons.



# Department of Environmental Protection

Lawton Chiles  
Governor

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

Virginia B. Wetherell  
Secretary

**PERMITTEE:**

Mr. M. Sambamurthi, P. E., Manger .  
United Water Florida  
Post Office Box 8004  
Jacksonville, Florida 32239-8004

**I.D. Number:** 2554345  
**Permit/Cert Number:** 0080394-001-WC  
**Date of Issue:** October 24, 1997  
**Expiration Date:** October 24, 1999  
**County:** St. Johns  
**Sec/Town/Re:** 5/5S/27E  
**Lat/Long:** N/A  
**Project:** St. Johns North WTP Improvements

This permit is issued under the provisions of Chapter 403, Florida Statutes (FRS.), and Florida Administrative Code (FAC) Chapter 62-555 (formerly 17-22). The above named Permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the Department and made a part hereof and specifically described as follows:

**Description:** Construction of a 400,000 gallon prestressed concrete ground storage tank and associated piping at the St. Johns North WTP.

**Location:** St. Johns North WTP, St. Johns County, Florida.

**PERMITTEE:**

Mr. M. Sambamurthi, P. E., Manager  
United Water Florida

**Permit/Certificate Number:** 0080394-001-WC**Date of Issue:** October 24, 1997**Expiration Date:** October 24, 1999**Project:** St. Johns North WTP Improvements**GENERAL CONDITIONS:**

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

**PERMITTEE:**

Mr. M. Sambamurthi, P. E., Manager  
United Water Florida

Permit/Cert .ber: 0080394-001-WC  
Date of Issue: October 24, 1997  
Expiration Date: October 24, 1999  
Project: St. Johns North WTP Improvements

**GENERAL CONDITIONS:**

7. Permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at reasonable times, access to the premises where the permitted activity is located or conducted to:
  - a. Have access to and copy any records that must be kept under conditions of the permit;
  - b. Inspect the facility, equipment, practices, or operations regulated or required under this permit; and
  - c. Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules. Reasonable time may depend on the nature of the concern being investigated.
8. If, for any reason, Permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, Permittee shall immediately provide the Department with the following information:
  - a. A description of and cause of noncompliance; and
  - b. The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to educe, eliminate, and prevent recurrence of the noncompliance. Permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.
9. In accepting this permit, 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 Florida Statutes or Department rules, except where such use is prescribed by Section 403.111 and 403.73, F.S. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.

**PERMITTEE:**

Mr. M. Sambamurthi, P. E., Manager  
United Water Florida

Permit/Cert . . .ber: 0080394-001-WC  
Date of Issue: October 24, 1997  
Expiration Date: October 24, 1999  
Project: St. Johns North WTP Improvements

**GENERAL CONDITIONS:**

10. Permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided, however, 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, FAC, shall include a reasonable time to obtain or be denied a mixing zone for the new or amended standard.
11. This permit is transferable only upon Department approval in accordance with Rule 62-4.120 and 62-730.300, FAC, as applicable. Permittee shall be liable for any noncompliance of the permitted activity until the transfer is approved by the Department.
12. This permit or a copy thereof shall be kept at the work site of the permitted activity.
13. This permit also constitutes:
  - ( ) Determination of Best Available Control Technology (BACT)
  - ( ) Determination of Prevention of Significant Deterioration (PSD)
  - ( ) Certification of compliance with state Water Quality Standards (Section 401, PL 92-500)
  - ( ) Compliance with New Source Performance Standards
14. Permittee shall comply with the following:
  - a. Upon request, Permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.
  - b. Permittee shall hold at the facility or other location designated by this permit, records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.

**PERMITTEE:**

Mr. M. Sambamurthi, P. E., Manager  
United Water Florida

Permit/Cert . . .ber: 0080394-001-WC

Date of Issue: October 24, 1997

Expiration Date: October 24, 1999

Project: St. Johns North WTP Improvements

**GENERAL CONDITIONS:**

c. Records of monitoring information shall include:

- the date, exact place, and time of sampling or measurements;
- the person responsible for performing the sampling or measurements;
- the dates analyses were performed;
- the person responsible for performing the analyses;
- the analytical techniques or methods used;
- the results of such analyses.

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

**PERMITTEE:**

Mr. M. Sambamurthi, P. E., Manager  
United Water Florida

Permit/Cert . . .ber: 0080394-001-WC  
Date of Issue: October 24, 1997  
Expiration Date: October 24, 1999  
Project: St. Johns North WTP Improvements

**SPECIFIC CONDITIONS:**

1. This approval for construction is given with the understanding that, upon the installation of such works, the operation shall be placed under the care of a competent person, whose qualifications are approved by the Department. Operation of the facility shall be carried out according to best accepted practice and in accordance with the requirements of the rules and regulations of the Department. Permittee shall ensure, not only the provision of continuing essential funds for proper operation and maintenance of this project, but also the funds necessary to comply with all regulatory, monitoring, and statutory requirements.
2. Water supply facilities, including mains, shall be installed in accordance with the latest applicable AWWA Standards and Department rules and regulations. The system shall be pressure and leak tested in accordance with AWWA Standard C600 and disinfected in accordance with AWWA Standard C651, as well as, in accordance with Rule 62-555.340, FAC
3. Permittee shall maintain a minimum vertical clearance of 18 inches and a minimum horizontal separation of 10 feet between water mains and sanitary sewers, storm sewers, etc. unless approved otherwise by the Department, as provided in Rule 62-555.314, FAC, and Section 8.6 of *Recommended Standards for Water Works*, a manual adopted by reference in Rule 62-555.330(3), FAC
4. Prior to placing this project into service, Permittee shall submit, at a minimum, all of the following to the Department for evaluation and approval for operation, as provided in Rules 62-555.340 and 62-555.345, FAC:
  - a. the engineer's "Certification of Construction Completion and Request for a Letter of Clearance to Place a Public Drinking Water Facility into Service" {DEP Form 62-555.900(9)};
  - b. certified record drawings, if there are any changes noted for the permitted project.
  - c. two consecutive days of satisfactory bacteriological analytical results.

In order to facilitate the issuance of a letter of clearance, the Department requests that all of the above information be submitted as one package.



Rawley



Lawton Chiles  
Governor

James T. Howell, M.D., M.P.H  
Secretary

Mr. Munipalli Sambamurthi, P. E.,  
Manager/Vice President  
United Water Florida Inc.  
1400 Millcoe Road  
Jacksonville, Florida 32225

Date: March 28, 1997  
County: Duval  
Project: Corrosion Control System  
Water Plant: Royal Lakes  
United Water Florida Inc.

RECEIVED

APR 04 1997

Re: General Permit Notice - File No. 1697-WD-3777

Dear Mr. Sambamurthi:

On March 6, 1997, the Department of Health/Duval County Health Department (DOH/DCHD) received your Notice of Intent to use General Permit for Corrosion Control for Small and Medium Systems. According to your notice, you intend to apply Calgon C-5 as a treatment method for corrosion control at the subject water treatment plant, under the provisions of Florida Administrative Code (FAC) Rules 62-550 and 62-555.

UNITED WATER FLORIDA

After reviewing the notice, it appears that your project will have minimal adverse environmental effect and apparently can be constructed pursuant to a general permit as described in FAC Rule 62-555.

Any activities performed under this general permit are subject to the general conditions required in FAC Rules 62-4.540 (attached) and 62-555.410 and are also subject to the following conditions:

1. Permittee shall provide this office a semiannual report, beginning 6 months after start up, indicating the effectiveness of the corrosion control treatment. This report shall be supported with Lead and Copper analysis results from samples collected at the taps, water quality parameter data and information on the dosage rate and concentration of the chemicals used for corrosion control. Please refer to Rule CFR 40 Parts 141.8-141.9 for proper sampling. Orthophosphate concentration in the treated water shall be measured twice a month. The monitoring data collected shall also be submitted monthly with the MOR's.
2. Permittee shall evaluate the installation of additional treatment if the corrosion control treatment selected under this General Permit is not optimal or effective. Any additional treatment must be approved by the Department prior to installation.
3. Permittee shall ensure that all chemicals used for corrosion control are NSF approved and that a backflow preventer or air gap separates any potable water feed to the NaOH mix tank.
4. Permittee shall comply with all applicable conditions of Chapter 62-550, 62-555 and CFR 40, for Public Water Systems.

Duval County Health Department

Environmental Health/Engineering Division • 900 University Blvd. N., Suite 300 • Jacksonville, Florida • 32211 • (904) 630-3272  
FAX (904) 745-3026

In partnership with the City of Jacksonville

Mr. Munipalli Sambamurthi, P. E.,  
Manager/Vice President  
United Water Florida Inc.  
File No. 1696-WD-3777

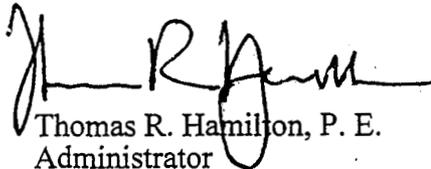
March 28, 1997

5. The applicant shall notify the Environmental Engineering Section after completion of construction and/or installation of the corrosion control equipment, but before placement into service. The corrosion control equipment must not be placed into service until a letter of authorization is issued by the DOH/DCHD.
6. The water supply line for the eductors shall have a backflow preventer meeting the AWWA M-14 Manual.

Assuming you have properly qualified for this general permit, please note that the permit expires on March 28, 1998. Your construction activity must conform to the description contained in your notice. Any substantial deviation may subject the permittee to enforcement action and possible penalties.

If you have any questions concerning the use of the general permit, please contact this office.

Sincerely,

  
Thomas R. Hamilton, P. E.  
Administrator

ENVIRONMENTAL ENGINEERING SECTION

TRH/TJT/tkf

cc: Jerry M. Owen, P. E.  
Department of Environmental Protection  
Gordon E. Grimes, P. E.  
United Water Florida Inc.  
1400 Millcoe Road  
Jacksonville, Florida 32225  
T. James Tofflemire, P. E. I  
Jerry E. Fulop, Environmental Supervisor II

**FILING AND ACKNOWLEDGEMENT**  
FILED on this date, pursuant to S120.52 Florida  
Statutes, with the designated Department Clerk,  
receipt of which is hereby acknowledged.  
Jerry Owen 4/1/97  
Clerk Date

FAC RULE 62-4.540 - GENERAL CONDITIONS FOR ALL GENERAL PERMITS

- (1) The terms, conditions, requirements, limitations and restrictions set forth in this Part are "general permit conditions" and are binding upon the permittee. The conditions are enforceable under Chapter 403, F.S.
- (2) The general permit is valid only for the specific activity indicated. Any deviation from the specified activity and the conditions for undertaking that activity shall constitute a violation of the permit. The permittee is placed on notice that violation on the permit may result in suspension or revocation of the permittee's use of the general permit and may cause the Department to begin legal proceedings.
- (3) The general permit does not convey any vested rights or any exclusive privileges. It does not authorize any injury to public or private property nor any invasion of personal rights. It does not authorize any infringement of federal, state or local laws or regulations. It does not eliminate the need to obtain any other federal state or local permits that may be required, or allow the permittee to violate any more stringent standards established by federal or local law.
- (4) The general permit does not relieve the permittee from liability and penalties when the construction or operation of the permitted system causes harm or injury to human health or welfare; causes harm or injury to animal, plant or aquatic life; or cause harm or injury to property. It does not allow the permittee to cause pollution in contravention of Florida Statutes and Department rules.
- (5) The general permit conveys no title to land or water, nor does it constitute State recognition or acknowledgment of title. It does not constitute authority for reclamation of submerged lands. Only the Board of Trustees of the Internal Improvement Trust Fund may express State opinion as to title.
- (6) No general permit shall authorize the use of state owned land without the prior consent of the Board of Trustees of the Internal Improvement Trust Fund pursuant to Section 253.77, F.S.
- (7) The general permit may be modified, suspended, or revoked in accordance with Chapter 120, Florida Statutes, if the Secretary determines that there has been a violation of any of the terms or conditions of the permit, there has been a violation of state drinking water quality standards, or the permittee has submitted false, incomplete or inaccurate data or information.
- (8) The general permit shall not be transferred to a third party.
- (9) The general permit authorizes construction and, where applicable, operation of the permitted system.
- (10) The permittee agrees in accepting the general permit to make every reasonable effort to conduct the construction authorized by the general permit in a manner that will minimize any adverse effects on adjacent property or on public use of the adjacent property, where applicable, and on the environment, including fish, wildlife, natural resources of the area, water quality, or air quality.

(11) The permittee agrees in accepting the general permit to allow a duly authorized representative of the Department access to the permitted system or activity at reasonable times to inspect and test to determine compliance with the permit and the Department rules.

(12) The permittee agrees to maintain any permitted facility, or activity in good condition and in accordance with the plans submitted to the Department under Rule 62-4.530(1), FAC.

(13) A permittee's use of a general permit is limited to five years. However, the permittee may request continued use of the general permit by notifying the Department pursuant to Rule 62-4.530(1), FAC. However, the permittee shall give notice of continued use of a general permit thirty days before it expires.



**Florida Department  
of Environmental Protection**

Twin Towers Office Bldg.  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

DEP Form # 62-551.950(7)  
Form Title Notice of Intent to Use General Permit for Corrosion Control for Small and Medium Systems  
Effective Date August 18, 1994  
DEP Application No. \_\_\_\_\_  
(Filled in by DEP)

**Notice of Intent to Use General Permit for  
Corrosion Control for Small and Medium Systems**

RECEIVED  
ENVIRONMENTAL PROTECTION  
DIVISION  
AUG 23 1994  
JACKSONVILLE, FL

**INSTRUCTIONS:** Use of this form is limited to community and non-transient non-community public water systems which serve fewer than 50,000 persons. For public water systems which serve fewer than 10,000 persons, use of this form does not require the services of a registered Professional Engineer. It may be submitted signed by the owner of the water system or authorized representative and the licensed contractor. Use of this form will be disapproved if, for the water quality data listed in Part II below, the proposed treatment selected in Part III below is inconsistent with the guidelines and recommendations published by the U.S. Environmental Protection Agency in *Lead and Copper Rule Guidance Manual, Volume II: Corrosion Control Treatment*.

**PART I. GENERAL WATER SYSTEM INFORMATION**

Water System Name: ROYAL LAKES Contact person: GORDON GRIMES, P.E.  
System type (circle one): C or NTNC Contact phone number: (904) 721-4601  
Identification Number (PWS-ID): 2160980 Mailing address: 1400 MILLCOE RD.  
Population served: 33,100 City, State ZIP: JACKSONVILLE, FL 32225

**PART II. SUMMARY OF WATER CHEMISTRY DATA.** Provide data on existing levels for water quality parameters and lead and copper levels (provide additional sheets as necessary).

Water Quality Parameter - units	Entry Point	Tap		Lead	Copper	
Temperature - °C	27.1	28.7	No. of samples	71	71	
Conductivity - µmho/cm @ 25°C	804	811		mg/L	mg/L	
pH	7.39		Maximum Tap	0.06	3.28	
Alkalinity - mg/L	136		Minimum Tap	<0.005	0.090	
Total Hardness - mg/L	N/A		90th percentile	<0.005	1.95	
Total Dissolved Solids - mg/L	598	N/A	At entry point	<0.005	<0.050	
Calcium - mg/L	70.6					
Orthophosphate - mg/L	N/A					N/A
Silicates - mg/L	N/A					N/A

**PART III. PROPOSED TREATMENT INFORMATION.** Indicate which treatment is proposed.

- Modification of pH (N/A) Existing pH \_\_\_\_\_ Proposed pH \_\_\_\_\_  
Chemical to be Added \_\_\_\_\_ Dosage rate \_\_\_\_\_ mg/L
- Modification of alkalinity (N/A) Existing alkalinity \_\_\_\_\_ mg/L as CaCO<sub>3</sub> Proposed \_\_\_\_\_ mg/L as CaCO<sub>3</sub>  
Chemical to be added \_\_\_\_\_ Dosage rate \_\_\_\_\_ mg/L
- Modification of calcium (N/A) Existing calcium \_\_\_\_\_ mg/L as CaCO<sub>3</sub>  
Proposed calcium \_\_\_\_\_ mg/L as CaCO<sub>3</sub>  
Chemical to be added \_\_\_\_\_ Dosage rate \_\_\_\_\_ mg/L

**NOTICE OF INTENT TO USE GENERAL PERMIT  
FOR CORROSION CONTROL FOR SMALL AND  
MEDIUM SYSTEMS**

DEP Form # 62-551.950(7)  
Form Title Notice of Intent to Use General Permit for  
Corrosion Control for Small and Medium Systems  
Effective Date August 18, 1994  
DEP Application No. \_\_\_\_\_  
(Filled in by DEP)

Use of a corrosion inhibitor Brand Name of Proposed Inhibitor CALGON C-5 AND C-15  
Chemical Name of Proposed Inhibitor AQUEOUS PHOSPHATE SOLUTION (C-5) & ZINC ORTHOPHOSPHATE (C-15)  
Dosage rate 3 mg/L

**PART IV. DESCRIPTION OF TREATMENT EQUIPMENT.** Describe injector equipment proposed for use and provide a diagram of how the pumps and injector points are located with respect to other system components.

BOTH CHEMICALS, C-5 & C-15 WILL HAVE THEIR OWN INJECTION SYSTEM CONSISTING OF: (1) LMI P141-158-S/13.9 GPD CHEMICAL METERING PUMPS, (1) CHEMICAL FEED EDUCTOR, (1) 35 GALLON CHEMICAL DRUM. SEE ATTACHED SITE PLAN FOR THIS FACILITY.

**PART V. TREATMENT EVALUATION.** Describe what procedures will be followed to evaluate the effectiveness of the proposed treatment

UNITED WATER FLORIDA WILL FOLLOW UP WITH BIENNIAL MONITORING SAMPLING, AS STIPULATED IN THE FEDERAL RULE 40 CFR PART 141.80 - 141.91.

**PART VI. PROJECT COST ESTIMATE.** Total Cost of the Proposed Treatment is \$ 4000.00.

**PART VII. STATEMENT BY APPLICANT and LICENSED CONTRACTOR.** The undersigned owner or authorized representative of the above named public water system is fully aware that the statements made in this notice are true and complete to the best of his/her knowledge. The undersigned is fully aware that it is his/her responsibility to operate and maintain this facility in such a manner as to function as it was designed. (The Licensed Contractor who will install the treatment equipment must sign this statement if no professional engineer has completed Part VIII.)

\_\_\_\_\_  
Signature of the Owner or Authorized Representative  
MUNIPALLI SAMBAMURTHI, V.P.  
Typed or Printed Name and Date

\_\_\_\_\_  
Signature and number of Licensed Contractor  
N/A  
Typed or Printed Name and Date

**PART VIII STATEMENT BY ENGINEER.** (This statement is to be completed when a system has used a professional engineer for this work. It is required for systems serving at least 10,000 persons) This is to certify that the engineering features of this system have been designed by me or by an individual(s) under my direct supervision. I further certify that to the best of my knowledge and belief they have been designed in accordance with Chapter 62-555, F.A.C., the 1987 edition of the "Recommended Standards for Water Works" and any other applicable state or local requirements. It is also stated that the undersigned has or will furnish the applicant with written instructions for the operation and maintenance of this permitted project. A completed Form 62-555.910(9) will be submitted to the Department in order to obtain prior approval to place the system in service, including a copy of the permit and bacteriological test results and "as-built" drawings or their location as required and any applicable local requirements.

  
Signature and Date (Affix Seal)  
GORDON GRIMES, P.E. 25441  
Name (please type) Florida Registration No.

UNITED WATER FLORIDA  
Company Name (please type)  
1400 MILLCOE RD.  
Company Address (please type)  
JACKSONVILLE, FL 32225 (904)565-1797  
City, State Zip Code Phone No.

## ATTACHMENT

February 25, 1997

Royal Lakes WTP, PWS ID: 2160980  
Notice of Intent to Use General Permit for  
Corrosion Control for Small and Medium Systems

### Additional Technical Information:

1. The proposed chemical metering pumps are manufactured by LMI, model LMI P141-158-S, with a design capacity of 13.9 gpd. This same type pump is currently being used at Monument Rd WTP and San Jose WTP for the same application. In addition, a backup pump of the same type and capacity will be provided as a redundant pump in case of failure of any of the other two pumps.
2. The site of UWF's Royal Lakes WTP is shared with the Royal Lakes WWTP. Since the wastewater plant is required to have an operator on-site for 16 hrs/day, our operators check the operation of the water plant several times a day, 7 days a week. Therefore, the proposed corrosion control system will be checked several times a day, 7 days a week. Also, UWF initially proposes to have at least an additional drum of Calgon C-5 and C-15 chemicals at the plant at all times. One drum of each chemical is required per month and the additional drum will be used to allow switch over without interruption of chemical feed.
3. UWF proposes to use corrosion inhibitor chemical feed systems as a temporary measure until the permanent, packed tower aerators can be installed. This approach is the result of a 5-year H<sub>2</sub>S and corrosion control study conducted by the University of Florida for United Water Florida. The HRS acknowledged receipt of the pilot study reports by means of a letter dated October 28, 1994. Also, in this letter the HRS recommended to use chemical addition as a temporary measure until the aeration upgrades can be accomplished, as recommended in the study reports.
4. No safety equipment is required for handling the proposed chemicals. However, the Royal Lakes WTP is equipped with eyewash facilities, chemical leak alarms, and proper chemical handling gear as company safety measures.
5. The proposed chemical feed rate is 2 mg/l of C-5 and 1 mg/l of C-15, as recommended by Calgon, based on the pilot study and actual system in operation at Monument Rd. WTP.
6. UWF is currently monitoring corrosion inhibitor chemical use at Monument Rd WTP, and will monitor corrosion inhibitor chemical use at Royal Lakes as well.
7. UWF proposes to feed the chemicals directly to the inside of the ground storage tank, as it is successfully done at Monument Rd. WTP. The option of feeding the corrosion inhibitor chemicals on top of the cascade aerator was considered. However, Calgon expressed a concern about feeding the chemicals outdoors, which exposes phosphorous to U.V. light and the remote possibility of creating a condition favorable for algae growth.

FILE 96145



STATE OF FLORIDA  
DEPARTMENT OF HEALTH AND  
REHABILITATIVE SERVICES  
District Four

### HRS Duval County Public Health Unit

Environmental Health/Engineering Division  
900 Building - Suite 300  
900 University Boulevard North  
Jacksonville, Florida 32211



EDGA

LAWTON CHILES, GOVERNOR

JOHN A. DELANEY, MAYOR

Mr. Munipalli Sambamurthi, P. E.,  
Manager/Vice President  
United Water Florida Inc.  
1400 Millcoe Road  
Jacksonville, Florida 32225

Date: December 5, 1996  
County: Duval  
Project: Corrosion Control System  
Water Plant: San Jose WTP - United  
Water Florida inc.

RECEIVED

Re: General Permit Notice - File No. 1696-WD-3671

DEC 15 1996

Dear Mr. Sambamurthi:

UNITED WATER FLORIDA

On November 6, 1996, the HRS Duval County Public Health Unit received your Notice of Intent to use General Permit for Corrosion Control for Small and Medium Systems. According to your notice, you intend to apply Calgon C-5 and C-15 and 2 mg/l and 1 mg/l dosages, respectively as a treatment method for corrosion control at the subject water treatment plant, under the provisions of Florida Administrative Code (FAC) Rules 62-4.530 and 63-551.

After reviewing the notice, it appears that your project will have minimal adverse environmental effect and apparently can be constructed pursuant to a general permit as described in FAC Rule 62-551.

Any activities performed under this general permit are subject to the general conditions required in FAC Rules 62-4.540 (attached), 62-550.410 and 62-551, Part V and are also subject to the following conditions:

1. Permittee shall provide this office a semiannual report, beginning 6 months after start up, indicating the effectiveness of the corrosion control treatment. This report shall be supported with Lead and Copper analysis results from samples collected at the taps, water quality parameter data and information on the dosage rate and concentration of the chemicals used for corrosion control. Please refer to Rule 62-551.470(3) FAC for proper sampling. The monitoring data collected shall also be submitted monthly with the MOR's.
2. Permittee shall evaluate the installation of additional treatment if the corrosion control treatment selected under this General Permit is not optimal or effective. Any additional treatment must be approved by the Department prior to installation. It is understood that this chemical feed is temporary until the aeration system upgrade is accomplished.
3. Permittee shall ensure that all chemicals used for corrosion control are NSF approved.
4. Permittee shall comply with all applicable conditions of Chapter 62-550, 62-551 and 62-555 FAC, for Public Water Systems.

Mr. Munipalli Sambamurthi, P. E.,  
Manager/Vice President  
United Water Florida Inc.  
File No. 1696-WD-3671

December 5, 1996

5. The applicant shall notify the Environmental Engineering Section after completion of construction and/or installation of the corrosion control equipment, but before placement into service. The corrosion control equipment must not be placed into service until a letter of authorization is issued by the HRS Duval County Public Health Unit.

Assuming you have properly qualified for this general permit, please note that the permit expires on December 5, 1998. Your construction activity must conform to the description contained in your notice. Any substantial deviation may subject the permittee to enforcement action and possible penalties.

If you have any questions concerning the use of the general permit, please contact this office.

Sincerely,



Thomas R. Hamilton, P. E.  
Supervisor II

ENVIRONMENTAL HEALTH/ENGINEERING  
DIVISION

TRH/TJT/tkf

cc: Jerry M. Owen, P. E.  
Department of Environmental Protection  
Gordon E. Grimes, P. E.  
United Water Florida Inc.  
Jerry E. Fulop  
T. James Tofflemire

**FILING AND ACKNOWLEDGEMENT**  
FILED, on this date, pursuant to S120.52 Florida  
Statutes, with the designated Department Clerk,  
receipt of which is hereby acknowledged.

Jerry Foreman 12/6/96  
Clerk Date

FAC RULE 62-4.540 - GENERAL CONDITIONS FOR ALL GENERAL PERMITS

- (1) The terms, conditions, requirements, limitations and restrictions set forth in this Part are "general permit conditions" and are binding upon the permittee. The conditions are enforceable under Chapter 403, F.S.
- (2) The general permit is valid only for the specific activity indicated. Any deviation from the specified activity and the conditions for undertaking that activity shall constitute a violation of the permit. The permittee is placed on notice that violation on the permit may result in suspension or revocation of the permittee's use of the general permit and may cause the Department to begin legal proceedings.
- (3) The general permit does not convey any vested rights or any exclusive privileges. It does not authorize any injury to public or private property nor any invasion of personal rights. It does not authorize any infringement of federal, state or local laws or regulations. It does not eliminate the need to obtain any other federal state or local permits that may be required, or allow the permittee to violate any more stringent standards established by federal or local law.
- (4) The general permit does not relieve the permittee from liability and penalties when the construction or operation of the permitted system causes harm or injury to human health or welfare; causes harm or injury to animal, plant or aquatic life; or cause harm or injury to property. It does not allow the permittee to cause pollution in contravention of Florida Statutes and Department rules.
- (5) The general permit conveys no title to land or water, nor does it constitute State recognition or acknowledgment of title. It does not constitute authority for reclamation of submerged lands. Only the Board of Trustees of the Internal Improvement Trust Fund may express State opinion as to title.
- (6) No general permit shall authorize the use of state owned land without the prior consent of the Board of Trustees of the Internal Improvement Trust Fund pursuant to Section 253.77, F.S.
- (7) The general permit may be modified, suspended, or revoked in accordance with Chapter 120, Florida Statutes, if the Secretary determines that there has been a violation of any of the terms or conditions of the permit, there has been a violation of state drinking water quality standards, or the permittee has submitted false, incomplete or inaccurate data or information.
- (8) The general permit shall not be transferred to a third party.
- (9) The general permit authorizes construction and, where applicable, operation of the permitted system.
- (10) The permittee agrees in accepting the general permit to make every reasonable effort to conduct the construction authorized by the general permit in a manner that will minimize any adverse effects on adjacent property or on public use of the adjacent property, where applicable, and on the environment, including fish, wildlife, natural resources of the area, water quality, or air quality.

- (11) The permittee agrees in accepting the general permit to allow a duly authorized representative of the Department access to the permitted system or activity at reasonable times to inspect and test to determine compliance with the permit and the Department rules.
- (12) The permittee agrees to maintain any permitted facility, or activity in good condition and in accordance with the plans submitted to the Department under Rule 62-4.530(1), FAC.
- (13) A permittee's use of a general permit is limited to five years. However, the permittee may request continued use of the general permit by notifying the Department pursuant to Rule 62-4.530(1), FAC. However, the permittee shall give notice of continued use of a general permit thirty days before it expires.