ORIGINAL

### UTILITIES, INC. OF FLORIDA

Docket No. 020271-WS 020071-WS

Response to PSC Request

Dated July 19, 2002

Item 17

**Marion County** 

Golden Hills – WTP Construction Permit dated 3/17/1964 Crownwood – WWTP Operating Permit expires 4/22/2004

AUS \_\_\_\_\_
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DOCUMENT NUMBER-DATE

09251 SEP-38

FPSC-COMMISSION CLERK

FORM 18-3 (W 55) Dolden Wills Jung - cc. Marion County

This Space For Use By Approving Agency

### FLORIDA STATE BOARD OF HEALTH

JACKSONVILLE 1, FLORIDA

 Bureau of Sanitary Engineering Division of Water Supply	i.
REGELVEN	
FED 3 1964	 1
Division Director Ref To:  MW (Plans) SWP (Plans)  MW (Oper) SWP (Oper)	i .
MW (Repts.) WSW	

APPLICATION FOR APPROVAL OF PLANS &
SPECIFICATIONS FOR PUBLIC WATER
SUPPLY SYSTEM



This Space For Use By Approving Agency

Approval Date\_\_\_\_MAR 1 7 1964

Serial No. 6948

he Florida State Board of Health:		The control of the
Ocala Golden Hills, Inc.		
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se address is KOUTE 3. BOX 188. (Street and Number)		2 St. W. W. W. 18 18
corriged by less to get for the said		
totaled by faw to act for the said	(Insert city, town or corporation)	(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)
to expend its funds for water supply and treatmen	at works, herewith submit for the co	nsideration of the State
Call Golden Hills, Inc.  (Interest unite of body making application, i.e., municipality, exponention of individual)  anderess is Route 3. Box 188,  (City)  (C		prepared by
Marion Engineering As	sociates, Inc.	
	•	
		A STATE OF THE STA
is hereby authorized to correcent the applicant in	the analysasine feetings of this pro-	4, 1 3 4 40 pm.
	•	W4.VIE257
(Clearly describe; new system	DRUMETIC treatment plan, new plant, modification, extension)	Lot
		of Ocale
(Sabatribioti, plant, school, outsity	(Approximate loc	stion) ( ( ) ( ) ( ) ( ) ( ) ( ) ( )
ar the city of Ocala	in the county of Merion	state
orida, as required by the regulations of the State of Health for the approval of this project.	e Board of Health and herewith make	application to the State
Contraction of the Contraction o		
		ers & Board of
they have received the approval of the State Board	rd of Health. (Board	Outlon, Directors, Etc.)
construction, these facilities will be owned by Oc	cala Golden Hills. Inc.	and will be
ted and maintained by Same	Bonte 3 D	Inne 1887 - Place O
(Fith target	Whose address is work to we	
(City forces	s, name of utility co., or owner)	The state of the s
(City forces	ocale, F	lorida
(Street and Number)  (Street and Number)	OCBIA, F	lorida
(City forces  (Street and Number)  application is made under and in full accord with e, and Section 381.391. Florida Statutes, and such o	the provisions of Chapter 381, Section other statutes as related to public wat	lorida ) ons 381.251—881.291 in- er supply treatment and
(Street and Number)  application is made under and in full accord with c, and Section 381.391. Florida Statutes, and such coution. THE APPLICANTS AGREE THAT NO CI	the provisions of Chapter 381, Section other statutes as related to public wat HANGES IN OR DEVIATION FROM	lorida ) ons 381.251—881.291 in or supply treatment and
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(Street and Number)  application is made under and in full accord with e, and Section 381.391. Florida Statutes, and such a count of the APPLICANTS AGREE THAT NO CICATIONS APPROVED BY THE STATE BOARD OF HIMPERS:  ARKS:  Tation of engineering documents certified by:  ARKS:  Gerdon, No., 3430	Signature: Caracter Process  Signature: Carac	Iorida  ons 381 261 988 291 in- er supply treatment and THE PLANS AND SPE- EPT WITH THE CON-  resident  of hove  Secretary, Etc.  Secretary
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These plans for the proposed improvements cited in the foregoing application are hereby approved under authority of Chapter 381, Sections 381.251—381.291, inclusive, and Section 381.391, Florida Statutes, with the following provises:

- 1. Construction on this project must be commenced within one year from the date of this application; otherwise plans and specifications must be re-submitted for approval by this department.
- 2. This approval is given with the understanding that upon the installation of such works, its operation shall be placed under the care of a competent person, whose qualifications are approved by the State Board of Health, and the operation shall be carried out according to best accepted practice and in accordance with the recommendations of the State Board of Health.
- 3. Initial facilities shall be limited to a connected load of 320 single-family residences or the equivalent thereof.
- 4. Facilities for matering or computing water output of the system shall be provided. Elapsed-time clock wired to well pump may be considered as a minimum.

The official copies of plans and specifications accompanying this application have been leaded and temper with the serial number of this application.

Only such plans and specifications are included in this approval and any erasures, additions or alterations affecting the efficiency of operation or public health protective value of the proposed improvements will make such approval null and void.

For This

State Health Officer

8136261030 GARTH A 65\_8 MAR 1964 ORIDA STATE BOARD OF HEAL THANITARY Engineering BUREAU OF SANITARY ENGINEERING Division of Water Supply Information Regarding Proposed Water Burgau of Sanitary Regional Office 3 1954

Burgau of Comprehensive engineer's report with all plans and MW (Plans) SWP (Plans) SWP (Plans) SWP (Plans) SWP (Plans) MW (Oper) portions of the following as relate to the proposed works: necessary, and if data is shown on plans insert "see plans". Locality Golden Hills Turf & Country Club Owner's mail Address Route 3. Box 188, Ocaia, Fiorida Information furnished by Marion Engineering Assoc. Inc., Engineer designing works Estimated total cost of project \$ 170,683.80 Water Treatment & 24,800,00 Distribution A - GENERAL Present Population (municipality, institution, etc.)\_ None Design Population (served by proposed system) 1.561 Estimated population to be connected, 5 years 780 10 years 1170 20 years 1561 Present per capita consumption None Per capita estimate future 100 gpd Give any industrial users or abnormal demands\_ None The second of the second 6. Give characteristics present water (analysis attached if available) (hard, soft, None colored, turbid, etc.)\_\_\_ Characteristics proposed water (analysis attached) Analysis attached Give source proposed water\_\_\_\_ deep well (Deap well, shallow well, springs, surface) Give sources pollution None Septic Tanks were the transfer of the second Sewage Disposal by\_\_\_\_ Purified water storage: Capacity present elevated \_\_\_\_ Capacity proposed elevated\_ None | 10,000 gal.pressure tank with 30-50 psig operating Static head relation pumping plant Fange. See design data.

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Page 2 of 6

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#### Proposed Wells

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Pump (Type)	Tuzbine	Turbine		
Capacity	350 дрт.	350 gpm.	3 /	The second of th

Give all geological data, including log of test wells or wells in vicinity (attach sheet)

3. Describe possible sources of contamination: \_

#### C - SURFACE SUPPLIES

- Name of stream, lake, or pond\_
- Show by map watershed, towns or communities above intake, industrial plants, and in 2. immediate vicinity, farm house, picnic grounds, abattoirs and other sources pollution, with distance from intake. Locate intake on map. when we will be the work of the winds of the wi
- Size of watershed in square miles \_\_\_\_ Est. min. dry-weather flow at intake
- Basis of min. dry-weather flow estimate.

Type construction Std. drive & drill

Existing Raw Water Pumps

Proposed Raw Water Pumps

\_\_ Casing \_\_ **steel** 

Type			, , ,	15 7997 14	e e l'ule sul cons
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Discharge Hd.		·		The state of the s	The state of the s

Page	6	of.	6
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h.	Clear well:	Location_					* 1	
	Capacity	·		Dimensions			A	( 1. 1
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i.	Chlorinatio	on: Type	Gas	Car	ecity_0_	40#/day	a state of the s	and the second
		pump buil	lding	Point appl	lication_B	umb dis	chares	Carlotte State of the State of
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39/ Form IE-36 (Rev. 9-72) Golden H. L. G. K.

This Space For Use By Approving Agency

STATE OF FLORIDA

DEPARTMENT of HEALTH and REHABILITATIVE SERVICES.

DIVISION OF HEALTH

Post Office Box 210

Jacksonville, Florida 32201

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APR 1977

PECELVED

Saint Johns River

D.Z. E. R.

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SOUTH WEST DISTRICT

APPLICATION FOR APPROVAL OF PLANS & SPECIFICATIONS FOR PUBLIC WATER

SUPPLY SYSTEM

C- 9/14/77

File

This Space For Use By Approving Agency

Approval Date April 13, 1977

Serial No. WD42-6948B

To the Brigan o'Investment Co., Inc. (Insert title of body making application, i.e., municipality, corporation or individual) whose address is . (Street and Number) corporation authorized by law to act for the said . (Insert city, town or corporation) and to expend its funds for water supply and treatment works, herewith submit for the consideration of the Division of Health, plans succifications and other necessary data (including Form EWI-36) prepared by a p (Engineer or firm) 953 S.E. Ft. King Street, Ocala, Florida-32670 who is hereby authorized to represent the applicant in the engineering features including supervision of construction and appropriated the spropriate with the approved plans and specifications of this project for the installation of Forest of Golden Hills Sub. Solden Hills Golden Hills located at (Approximate location) Marion in the county of of Florida, as required by the regulations of the Division of Health and herewith make application to the Division of Health for the approval of this project. These plans, specifications and related documents will be approved and accepted by when they have received the approval of the Division of Health. The state of the s Golden Hills Golf and Turf Club Upon construction, these facilities will be owned by whose address is 2721 S.W. 34th Ave.
Ocala, Florida 32670 operated and maintained by (Street and Nimber)

(City or, town)

(C (Street and Nimber) operated by franchised utility company Preparation of engineering documents certified by: Typed Name and Title of above stered under Florida Statutes Signature: City Clerk, Board Secretary, Etc. ohn A. Dillard #7435 Typed Name and Fla. Registration No. Typed Name and Title of above Signature: Agent for Utility supplying water it different **ENGINEER'S** A STATE OF CALL AND A STAT SEAL Typed, Name and Title: Agent for Utility supplying water , Co-Signature: Agent for Operation and Maintenance

Typed Name and Title: Agent for Operation and Maintenance

# INFORMATIO: REGARDING PROPOSED PUBLIC ATER WORKS mit comprehensive engineering report with all plans and specifications, and complete such no

form as relate to the treatment plant. (Use supplemental sh	the control of the co
Name of Water System Supplying Water Golden Hills	Golf and Turf Club
Previous approval Serial Number(s) 6948 : dated March	L17, 1964
Est. Cost this Project: Supply \$NATreatment	L SDistribution S
EXISTING SUPPLY AND TREATMENT FACILITIES:	Total \$ 700 .00
Suppl <b>750 gpm @ 300 TDH</b> MGD, Tree	atment Same
Storage: Ground none gal. Elevnone	gal: Pressure Tank
Service Pumping	10,000 and 10 gpm
Capacity of emergency pumping units: West gpm @ 30	gpm, service
Utility is Capable of Supplyin 750	Equivalent Residential Connections.
Max. Daily outoutol314 Mgan. 1927 Equiva	alent Residential Connections
	58.4 @ 225 gpc
PROPOSED IMPROVEMENT OR DISTRIBUTION EXTENSI	ION: Plant increaseMGD
, supply: deep wells	essure Tank
Plant: Aerator no Gnd. Storage na	10,000 gal Élve. Storage
Chlorinator gas	Service pumping
Aux. Power for yes	na in the second
Present Population (municipality, institution, etc.)	
Additional Population (served by this biofamate 11 Equiva	dent to residential services.
Estimated population to be connected: 5 years	37
Estimated population to be connected: 5 years  Present per capita consumption  Rone	1.11 capita estimated future
Give any industrial users or abnormal demands	75 gpd
none	
Interconnection with other system	cross connections and the state of the state
Min. size4plpo Residual pressure at peak load 25 psic	
Describe dead and conditions and necessity for flushing	Is fire control provided?
Describe dead-end conditions and necessity for flushing 4" one 4" flush valve provided	dead end line with service at the
List lengths of new pipe lines 6" and larger 4900 feet of 6	
4900 feet of 6	A TO THE PARTY OF
Remæ <b>depply system is approved for 425 c</b>	onnections

These Blans for the proposed improvements cited in the foregoing application are hereby approved under authority of Chapter 381, Section 381.031(1)(g)8 and 5 and Sections 381.251-381.291, inclusive, Florida Statutes, with the following provised:

Control of the second s

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A Commence of the Commence of

- Construction of this project must be commenced within one year from the date of this application; otherwise plans and specifications must be resubmitted for approval by this department. The engineer of record in this application is responsible for supervision of the construction of this project and upon completion shall inspect for complete conformity to the plans and specifications as approved. A report of such inspection in writing and signed by the engineer shall be rendered to the interested County Health Department and to the Division of Health, Bureau of Sanitary Engineering, P. O. Box 210, Jacksonville, Florida.
- Santary, Engineering, F. C. Box 210, decasoring, Frontal Santary, Engineering, F. C. Box 210, decasoring, Frontal Santary, Engineering, F. C. Box 210, decasoring that upon the installation of such works, its operation shall be placed such accordance with the period of the Division of Health, and the operation shall be carried out according to best accepted practice and in accordance with the requirements of the Division of Health, Chapter 10D-11 F.A.C. This includes not only the provision of continuing essential funds for operation and maintenance of chemical supplies and facilities for plant operation; but also the funds for maintenance of chemical supplies and facilities for plant operation; but also the funds for maintaining, edulpment and supplying the needs of a suitable water plant laboratory which is required for proper operation of this water treatment facility.
- 3. Water supply facilities including mains shall be installed, cleaned, disinfected, and bacteriologically cleared for service in accordance with the latest applicable AWWA Standards and Chapter 10D-4 F.A.C.
- setvice in accordance with the latest applicable AWWA Standards and Chapter 10D-4 F.A.C.

  Where water and sewer mains cross with less than 18" vertical clearance, the sewer will be 20' of either cast iron pipe of concrete encased vitrified day pipe centered on the point of crossing. When a water main parallels a sewer main is separation of at least 10 should be maintained where practical.

The official copies of plans and specifications accompanying this application have been scaled and stamped with the script number as indicated hereon. Only such plans and specifications are included in this approval and any cramprovements will make such approval null and void.

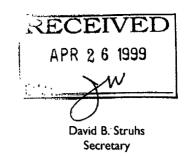
DIVISION OF HEALTH BUREAU OF SANITARY ENGINEERING



Jeb Bush Governor

## Department of Environmental Protection

Southwest District 3804 Coconut Palm Drive Tampa, Florida 33619



### STATE OF FLORIDA DOMESTIC WASTEWATER FACILITY PERMIT

#### PERMITTEE:

Utilities, Inc. of Florida 200 Weathersfield Ave. Altamonte Springs, FL 32714

Atten.: Mr. Donald Rasmussen, Vice President

PERMIT NUMBER: FLA012680-001-DW3P

ISSUANCE DATE: 4/23/99 EXPIRATION DATE: 4/22/04 FACILITY ID NO.: FLA012680 COUNTY: Marion

#### **FACILITY:**

Crownwood WWTP 4497 NW 73rd Terrace Marion County

Latitude: 29° 14' 31" N Longitude: 82° 14' 28" W

This permit is issued under the provisions of Chapter 403, Florida Statutes, and applicable rules of the Florida Administrative Code and supersedes its antecedent permit. 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 0.040 mgd three month average daily flow (TMADF), Type III, extended aeration domestic wastewater treatment plant consisting of four (4) aeration basins of 40,000 gallons total volume, one (1) clarifier of 9,800 gallons total volume and 84 square feet total surface area, one (1) chlorine contact chambers of 1,600 gallons total volume and one (1) digester of 4,000 gallons total volume. This plant is operated to provide secondary treatment with basic disinfection.

#### REUSE:

Land Application: An existing 0.040 mgd AADF permitted capacity rapid infiltration basin (R001) consisting of a two (2) cell percolation/evaporation pond system of 23,350 square feet total area. Land application system R001 is located approximately at Latitude: 29° 14' 31" N and Longitude: 82° 14' 28" W.

IN ACCORDANCE WITH: The limitations, monitoring requirements and other conditions set forth in Pages 1 through 15 of this permit.

PERMITTEE: Uti

Utilities Inc. of Florida

Crownwood WWTP 200 Weathersfield Ave.

Altamonte Springs, FL 32714

PERMIT NUMBER:

FLA012680-001-DW3P

EXPIRATION DATE: COUNTY:

See Page 1 Marion

#### I. RECLAIMED WATER AND EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

#### A. Reuse and Land Application Systems

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

			R	Reclaimed Water Limitati				ts	<u></u>	
Parameter	Units	Max/Min	Annual Average	Monthly Average	Weekly Average	Single Sample	Monitoring Frequency	Sample Type	Monitoring Location Site Number	Notes
BOD, Carbonaceous 5 day, 20C	mg/L	Maximum	20.0	30.0	-	60.0	Monthly	Grab	EFA-01-13427	
Total Suspended Solids	mg/L	Maximum	20.0	30.0	<u>-</u>	60.0	Monthly	Grab	EFA-01-13427	
pH	s.u.	Range	-	-	-	6.0 to 8 5	5 Days/Week	Grab	EFA-01-13427	
Fecal Coliform			See Permit Condition I.A.3.				Monthly	Grab	EFA-01-13427	
Total Residual Chlorine (For Disinfection)	mg/L	Minimum	-	-	-	0.5	5 Days/Week	Grab	EFA-01-13427	See Cond.I.A.4
Nitrate, Total (as N)	mg/L	Maximum	-	-	-	12.0	Monthly	Grab	EFA-01-13427	

Utilities Inc. of Florida Crownwood WWTP 200 Weathersfield Ave. Altamonte Springs, FL 32714 PERMIT NUMBER: EXPIRATION DATE:

See Page 1 Marion

FLA012680-001-DW3P

COUNTY: See Fay

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

Monitoring Location Site Number	Description of Monitoring Location
EFA-01-13427	After disinfection and prior to discharge to two (2) cell percolation/evaporation pond system.

- 3. The arithmetic mean of the monthly fecal coliform values collected during an annual period shall not exceed 200 per 100 mL of reclaimed water sample. The geometric mean of the fecal coliform values for a minimum of 10 samples of reclaimed water, each collected on a separate day during a period of 30 consecutive days (monthly), shall not exceed 200 per 100 mL of sample. 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. [62-610.510, 1-9-96 and 62-600.440(4)(c), 12-24-96]
- 4. 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. [62-610.510, 1-9-96 and 62-600.440(4)(b), 12-24-96]
- 5. The following is included for informational purposes:

Location Site Number	Description of Location
34209	R001 - Two (2) cell percolation/evaporation pond system.

Utilities Inc. of Florida

Crownwood WWTP 200 Weathersfield Ave.

Altamonte Springs, FL 32714

PERMIT NUMBER:

FLA012680-001-DW3P **EXPIRATION DATE:** See Page 1

COUNTY:

Marion

#### 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:

				Limita	itions					
Parameter	Units	Max/Min	Annuai Average	Monthly Average	Weekly Average	Single Sample	Monitoring Frequency	Sample Type	Monitoring Location Site Number	Notes
Flow	MGD	Maximum	-	0.040 TMADF	-	-	5 Days/Week	Elapsed time meters on pumps	INF-01-34208	See Cond.IA.3&
BOD, Carbonaceous 5 day, 20C	mg/L	Report	-	-	-	-	Annually *	Grab	INF-01-34208	See Cond.I.B.4
Total Suspended Solids	mg/L	Report	-	-	-	-	Annually *	Grab	INF-01-34208	See Cond.I.B.4

<sup>\*</sup> The annual sample shall be submitted annually on the anniversary date of this permit.

Utilities Inc. of Florida Crownwood WWTP 200 Weathersfield Ave. Altamonte Springs, FL 32714 PERMIT NUMBER: EXPIRATION DATE:

COUNTY:

FLA012680-001-DW3P

See Page 1 Marion

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

Monitoring Location Site Number	Description of Monitoring Location
INF-01-34208	At headworks, prior to treatment and ahead of return activated sludge line.

- 3. The three-month average daily flow to the treatment plant shall not exceed 0.040 mgd. This flow is limited based on disposal area.
- 4. Elapsed time meters on pumps shall be utilized to measure flow and calibrated at least annually. [62-601.200(17) and .500(6), 12-24-96]
- 5. Influent samples shall be collected so that they do not contain digester supernatant or return activated sludge, or any other plant process recycled waters. [62-601.500(4), 12-24-96]
- 6. Parameters which must be monitored as a result of a surface water discharge shall be analyzed using a sufficiently sensitive method in accordance with 40 CFR Part 136. Parameters which must be monitored as a result of a ground water discharge (i.e., underground injection or land application system) shall be analyzed in accordance with Chapter 62-601, F.A.C. [62-620.610(18), 12-24-96]
- 7. The permittee shall provide safe access points for obtaining representative influent, reclaimed water, and effluent samples which are required by this permit. [62-601.500(5), 12-24-96]

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 address specified bellow, by the twenty-eighth (28th) of the month following the month of operation. [62-620.610(18), 12-24-96][62-601.300(1), (2), and (3), 12-24-96]

Department of Environmental Protection Mail Station 3551 2600 Blair Stone Road Tallahassee, FL 32399-2400

8. 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 Southwest District Office at the address specified below:

Florida Department of Environmental Protection Southwest District Office 3804 Coconut Palm Drive Tampa, FL 33619

Phone Number - (813) 744-6100 FAX Number - (813) 744-8198 All FAX copies shall be followed by original copies.

Utilities Inc. of Florida Crownwood WWTP 200 Weathersfield Ave. Altamonte Springs, FL 32714 PERMIT NUMBER: EXPIRATION DATE:

COUNTY:

FLA012680-001-DW3P See Page 1

See Page 1 Marion

#### II. RESIDUALS MANAGEMENT REQUIREMENTS

#### **Basic Management Requirements**

- 1. The method of residuals use or disposal by this facility is transport to the Central Process Residuals Management Facility for further treatment and disposal, or disposal in a Class I or II solid waste landfill.
- 2. The permittee shall not be held responsible for treatment, management, use, or land application violations that occur after its residuals have been accepted by a permitted residuals management facility with which the source facility has an agreement in accordance with Rule 62-640.880(1)(c), F.A.C., for further treatment, management, use or land application. [62-640.300(5), 3-30-98]
- 3. Disposal of residuals, septage, and other solids in a solid waste landfill, or disposal by placement on land for purposes other than soil conditioning or fertilization, such as at a monofill, surface impoundment, waste pile, or dedicated site, shall be in accordance with Chapter 62-701, F.A.C. [62-640.100(6)(k)3&4, 3-30-98]
- 4. Storage of residuals or other solids at the permitted facility shall require prior written notification to the Department if the storage lasts longer than 30 days. [62-640.300(4), 3-30-98]
- 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 neighboring developed areas at the levels prohibited by Rule 62-600.400(2)(a), F.A.C., corrective action (which may include additional maintenance or modifications of the permitted facilities) shall be taken by the permittee. Other corrective action may be required to ensure compliance with rules of the Department. Additionally, the treatment, management, use or land application of residuals shall not cause a violation of the odor prohibition in Rule 62-296.320(2), F.A.C. [62-600.410(8),12-24-96 and 62-640.400(6), 3-30-98]
- 6. The permittee shall keep hauling records to track the transport of residuals between facilities. The hauling records shall contain the following information:
  - a) Date and time residuals were shipped
  - b) Amount of residuals shipped (gallons or dry pounds)
  - c) Degree of treatment (if applicable)
  - d) Name and Facility ID of receiving Residuals Management Facility

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

PERMITTEE: Utilities Inc. of Florida

Crownwood WWTP
200 Weathersfield Ave.

Altamonte Springs, FL 32714

PERMIT NUMBER: EXPIRATION DATE:

COUNTY:

FLA012680-001-DW3P

See Page 1 Marion

7. Disposal of screenings and grit from preliminary treatment components of wastewater treatment facilities, solids from sewer line cleaning operations, and solids from lift stations and pump stations shall be in accordance with Chapter 62-701, F.A.C. and may not be processed at a permitted residuals management facility. [62-640.100(6)(k)8., 3-30-98 and 62-701.300(1)(a), 4-23-97]

Source Facility	Residuals Management Facility (RMF) or Receiving Facility
<ol> <li>Date and Time Shipped</li> <li>Amount of Residuals Shipped</li> <li>Degree of Treatment (if applicable)</li> <li>Name and ID Number of RMF or Receiving Facility</li> </ol>	Date and Time Received     Amount of Residuals Received     Name and ID Number of Source Facility     Signature of Hauler  Self-Barry at RMF or
	Receiving Facility.

These records shall be kept for five years and shall be made available for inspection upon request by the Department. A copy of the hauling records information maintained by the source facility shall be provided upon delivery of the residuals to the RMF or receiving facility. The permittee shall report to the Department within 24 hours of discovery any discrepancy in the quantity of residuals leaving the source facility and arriving at the RMF or receiving facility.

#### III. GROUND WATER MONITORING REQUIREMENTS

Section III is not applicable to this facility.

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

#### Part IV Rapid Infiltration Basins

- 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), 12-9-96] [62-522.400 and 62-522.410, 12-9-96]
- 2. Advisory signs shall be posted around the site boundaries to designate the nature of the project area. [62-610.518, 1-9-96]
- 3. The annual average hydraulic loading rate shall be limited to a maximum of 5.1 inches per day (as applied to the entire bottom area). [62-610.523(3), 1-9-96]
- 4. Rapid infiltration basins, or trenches normally shall be loaded for 30 days and shall be rested for 30 days. Infiltration ponds, basins, or trenches shall be allowed to dry during the resting portion of the cycle. [62-610.523(4), 1-9-96]

Utilities Inc. of Florida Crownwood WWTP 200 Weathersfield Ave. Altamonte Springs, FL 32714 PERMIT NUMBER: EXPIRATION DATE:

COUNTY:

FLA012680-001-DW3P

See Page 1 Marion

5. Rapid infiltration basins shall be routinely maintained to control vegetation growth and to maintain percolation capability by scarification or removal of deposited solids. Basin bottoms shall be maintained to be level. [62-610.523(6) and (7), 1-9-96]

- 6. Routine aquatic weed control and regular maintenance of storage pond embankments and access areas are required. [62-610.514 and 62-610.414, 1-9-96]
- 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 Department's Southwest District Office within 24 hours of an occurrence as an abnormal event. The provisions of Rule 62-610.800(9), F.A.C., shall be met. [62-610.800(9), 1-9-96]

#### V. OPERATION AND MAINTENANCE REQUIREMENTS

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

A Class C or higher operator for 1/2 hour/day for 5 days/week and a weekend visit. The lead operator must be a Class C operator, or higher.

[62-620.630(3), 12-24-96] [62-699.310, 5-20-92] [62-610.462, 1-9-96]

- 2. A certified operator shall be on call during periods the plant is unattended. [62-699.311(1), 5-20-92]
- 3. The application to renew this permit shall include an updated capacity analysis report prepared in accordance with Rule 62-600.405, F.A.C. [62-600.405(5), 12-24-96]
- 4. The Reduced Pressure Zone (RPZ) backflow preventer (s) shall be installed on all potable water lines to the treatment plant and tested annually. [62-555, 12-19-94]
- 5. The application to renew this permit shall include a detailed operation and maintenance performance report prepared in accordance with Rule 62-600.735, F.A.C. [62-600.735(1), 12-24-96]
- 6. The permittee shall maintain the following records and make them available for inspection on the site of the permitted facility:
  - a. Records of all compliance monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation and a copy of the laboratory certification showing the certification number of the laboratory, for at least three years from the date the sample or measurement was taken;
  - b. Copies of all reports required by the permit for at least three years from the date the report was prepared;
  - c. Records of all data, including reports and documents, used to complete the application for the permit for at least three years from the date the application was filed;
  - d. Monitoring information, including a copy of the laboratory certification showing the laboratory certification number, related to the residuals use and disposal activities for the time period set forth in Chapter 62-640, F.A.C., for at least three years from the date of sampling or measurement;

Utilities Inc. of Florida Crownwood WWTP 200 Weathersfield Ave. Altamonte Springs, FL 32714 PERMIT NUMBER: EXPIRATION DATE:

COUNTY:

FLA012680-001-DW3P

See Page 1 Marion

- e. A copy of the current permit;
- f. A copy of the current operation and maintenance manual as required by Chapter 62-600, F.A.C.;
- g. A copy of the facility record drawings;
- h. Copies of the licenses of the current certified operators; and
- i. Copies of the logs and schedules showing plant operations and equipment maintenance for three years from the date of the logs or schedules. The logs shall, at a minimum, include identification of the plant; the signature and certification number of the operator(s) and the signature of the person(s) making any entries; date and time in and out; specific operation and maintenance activities; tests performed and samples taken; and major repairs made. The logs shall be maintained on-site in a location accessible to 24-hour inspection, protected from weather damage, and current to the last operation and maintenance performed.

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

#### VI. SCHEDULES

The following schedule shall be implemented as follows:

Item No.	Improvement:	Completion Date:
1.	Lift Station Repairs:  a. Repair audible and visual alarms  b. Provide warning sign with emergency telephone number posted	Within 30 days of permit issuance.

#### VII. INDUSTRIAL PRETREATMENT PROGRAM REQUIREMENTS

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

#### VIII. OTHER SPECIFIC CONDITIONS

- 1. If the permittee wishes to continue operation of this wastewater facility after the expiration date of this permit, the permittee shall submit an application for renewal, using Department Forms 62-620.910(1) and (2), no later than one-hundred and eighty days (180) prior to the expiration date of this permit. [62-620.410(5), 12-24-96]
- 2. Florida water quality criteria and standards shall not be violated as a result of any discharge or land application of reclaimed water or residuals from this facility. [62-610.850(1)(a) and (2)(a),1-9-96]
- 3. In the event that the treatment facilities or equipment no longer function as intended, are no longer safe in terms of public health and safety, or odor, noise, aerosol drift, or lighting adversely affects neighboring developed areas at the levels prohibited by Rule 62-600.400(2)(a), F.A.C., corrective action (which may include additional maintenance or modifications of the permitted facilities) shall be taken by the permittee. Other corrective action may be required to ensure compliance with rules of the Department. [62-600.410(8), 12-24-96]

Utilities Inc. of Florida Crownwood WWTP 200 Weathersfield Ave. Altamonte Springs, FL 32714 PERMIT NUMBER: EXPIRATION DATE: COUNTY: FLA012680-001-DW3P See Page 1

See Page 1 Marion

4. The deliberate introduction of stormwater in any amount into collection/transmission systems designed solely for the introduction (and conveyance) of domestic/industrial wastewater; or the deliberate introduction of stormwater into collection/transmission systems designed for the introduction or conveyance of combinations of storm and domestic/industrial wastewater in amounts which may reduce the efficiency of pollutant removal by the treatment plant is prohibited. [62-604.130(3), 12-26-96]

- 5. Collection/transmission system overflows shall be reported to the Department in accordance with Permit Condition IX. 20. [62-604.550, 12-26-96] [62-620.610(20), 12-24-96]
- 6. The operating authority of a collection/transmission system and the permittee of a treatment plant are prohibited from accepting connections of wastewater discharges which have not received necessary 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), 12-26-96]

- 7. The treatment facility, storage ponds, rapid infiltration basins, and/or infiltration trenches shall be enclosed with a fence or otherwise provided with features to discourage the entry of animals and unauthorized persons. [62-610.518(1), 1-9-96] [and 62-600.400(2)(b), 12-24-96]
- 8. Screenings and grit removed from the wastewater facilities shall be collected in suitable containers and hauled to a Department approved Class I landfill or to a landfill approved by the Department for receipt/disposal of screenings and grit. [62-701.300(1)(a), 4-23-97]
- 9. The permittee shall provide adequate notice to the Department of the following:
  - a. Any new introduction of pollutants into the facility from an industrial discharger which would be subject to Chapter 403, F.S., and the requirements of Chapter 62-620, F.A.C. if it were directly discharging those pollutants; and
  - b. Any substantial change in the volume or character of pollutants being introduced into that facility by a source which was identified in the permit application and known to be discharging at the time the permit was issued.

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

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

#### IX. GENERAL CONDITIONS

1. The terms, conditions, requirements, limitations and restrictions set forth in this permit are binding and enforceable pursuant to Chapter 403, Florida Statutes. Any permit noncompliance constitutes a

Utilities Inc. of Florida Crownwood WWTP 200 Weathersfield Ave. Altamonte Springs, FL 32714

PERMIT NUMBER: EXPIRATION DATE: COUNTY: FLA012680-001-DW3P See Page 1

See Page 1 Marion

violation of Chapter 403, Florida Statutes, and is grounds for enforcement action, permit termination, permit revocation and reissuance, or permit revision. [62-620.610(1), 12-24-96]

- 2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviations from the approved drawings, exhibits, specifications or conditions of this permit constitutes grounds for revocation and enforcement action by the Department. [62-620.610(2), 12-24-96]
- 3. As provided in Subsection 403.087(6), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor authorize any infringement of federal, state, or local laws or regulations. This permit is not a waiver of or approval of any other Department permit or authorization that may be required for other aspects of the total project which are not addressed in this permit. [62-620.610(3), 12-24-96]
- 4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title. [62-620.610(4), 12-24-96]
- 5. This permit does not relieve the permittee from liability and penalties for harm or injury to human health or welfare, animal or plant life, or property caused by the construction or operation of this permitted source; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department. The permittee shall take all reasonable steps to minimize or prevent any discharge, reuse of reclaimed water, or residuals use or disposal in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [62-620.610(5), 12-24-96]
- 6. If the permittee wishes to continue an activity regulated by this permit after its expiration date, the permittee shall apply for and obtain a new permit. [62-620.610(6), 12-24-96]
- 7. The permittee shall at all times properly operate and maintain the facility and systems of treatment and control, and related appurtenances, that are installed and used by the permittee to achieve compliance with the conditions of this permit. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to maintain or achieve compliance with the conditions of the permit. [62-620.610(7), 12-24-96]
- 8. This permit may be modified, revoked and reissued, or terminated for cause. The filing of a request by the permittee for a permit revision, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition. [62-620.610(8), 12-24-96]
- 9. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, including an authorized representative of the Department and authorized EPA personnel, when applicable, upon presentation of credentials or other documents as may be required by law, and at reasonable times, depending upon the nature of the concern being investigated, to:
  - a. Enter upon the permittee's premises where a regulated facility, system, or activity is located or conducted, or where records shall be kept under the conditions of this permit;

PERMITTEE: Utilities Inc. of Florida Crownwood WWTP 200 Weathersfield Ave.

Altamonte Springs, FL 32714

PERMIT NUMBER: EXPIRATION DATE: COUNTY: FLA012680-001-DW3P See Page 1

See Page 1 Marion

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

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

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

Utilities Inc. of Florida Crownwood WWTP 200 Weathersfield Ave. Altamonte Springs, FL 32714 PERMIT NUMBER: EXPIRATION DATE: COUNTY:

FLA012680-001-DW3P See Page 1 Marion

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

- 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), 12-24-96]

include the following information:

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

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

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

PERMITTEE: Utilities Inc. of Florida

Crownwood WWTP 200 Weathersfield Ave.

Altamonte Springs, FL 32714

PERMIT NUMBER: **EXPIRATION DATE:** COUNTY:

FLA012680-001-DW3P

See Page 1 Marion

- 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), 12-24-96]

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

#### 22. Bypass Provisions.

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

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

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Utilities Inc. of Florida Crownwood WWTP 200 Weathersfield Ave. Altamonte Springs, FL 32714 PERMIT NUMBER:

EXPIRATION DATE: COUNTY:

FLA012680-001-DW3P

See Page 1 Marion

#### 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), 12-24-96]