

Monroe County
Cudjoe Regional Wastewater System
PERMITS:

Cudjoe Key WWTP
FDEP, Permit Number FLA 671932-001

Upper Sugarloaf Key Wastewater Collection System
FDEP, Permit Number 295404-066-DWC/CM

Summerland Key Wastewater Collection System
FDEP, Permit Number 295-404-007-DWC/CM

Cudjoe Key Wastewater Collection System
FDEP, Permit Number 295404-008-DWC/CM

Cudjoe Transmission System
FDOT, Permit Number 2012-H-692-18

(All Copies Attached.)



Florida Department of Environmental Protection

South District
P.O. Box 2549
Fort Myers, Florida 33902-2549

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Michael W. Sole
Secretary

CERTIFIED MAIL NO.: 7008 0500 0000 7774 3950
RETURN RECEIPT REQUESTED

In the Matter of an
Application for Permit by:

Florida Keys Aqueduct Authority
James C Reynolds PE *JCR*
PO Box 1239
Key West, Florida 33041-1239 *Winkler*

Monroe County - DW
Cudjoe Key WWTP
File Number FLA671932-001-DW1P
Keys TMDL Basin

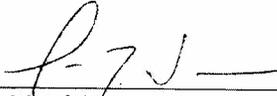
NOTICE OF PERMIT

Enclosed is Permit Number FLA671932 to construct and operate the Cudjoe Key WWTP, issued under Chapter 403, Florida Statutes. Monitoring requirements under this permit are effective on the first day of the second month following permit issuance.

Any party to this order (permit) has the right to seek judicial review of the permit action under Section 120.68, Florida Statutes, by the filing of a notice of appeal under Rules 9.110 and 9.190, Florida Rules of Appellate Procedure, with the Clerk of the Department of Environmental Protection, 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 this document is filed with the Clerk of the Department.

Executed in Fort Myers, Florida

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION



Jon M. Iglehart
Director of
District Management

EXECUTIVE DEPARTMENT

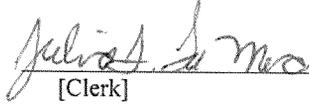
SEP 23 2009

RECEIVED

Notice of Permit
Cudjoe Key WWTP
FLA671932-001

FILING AND ACKNOWLEDGMENT

FILED, on this date, under Section 120.52, Florida Statutes, with the designated Deputy Clerk, receipt of which is hereby acknowledged.

 9-21-09
[Clerk] [Date]

CERTIFICATE OF SERVICE

The undersigned hereby certifies that this DOCUMENT AND ATTACHMENTS and all copies were mailed before the close of business on September 21, 2009, to the listed persons.

JMI/NWM/jl

Enclosure: Permit and Discharge Monitoring Report

Copies furnished to:

Kris J. Pennewell, P.E.
Steven Johnson



Florida Department of Environmental Protection

South District
P.O. Box 2549
Fort Myers, Florida 33902-2549

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Michael W. Sole
Secretary

STATE OF FLORIDA DOMESTIC WASTEWATER FACILITY PERMIT

PERMITTEE:

Florida Keys Aqueduct Authority

RESPONSIBLE OFFICIAL:

James C Reynolds PE
PO Box 1239
Key West, Florida 33041-1239
(305) 296-2454

PERMIT NUMBER:

FLA671932-001

FILE NUMBER:

FLA671932-001-DW1P

ISSUANCE DATE:

September 21, 2009

EXPIRATION DATE:

September 20, 2014

FACILITY:

Cudjoe Key WWTP
Blimp Road
Cudjoe Key, FL 33042
Monroe County
Latitude: 24°40'38" N Longitude: 81°30'31" W

This permit is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and applicable rules of the Florida Administrative Code (F.A.C.). This permit does not constitute authorization to discharge wastewater other than as expressly stated in this permit. The above named permittee is hereby authorized to construct and operate the facilities in accordance with the documents attached hereto and specifically described as follows:

WASTEWATER TREATMENT:

Cudjoe Key WWTP is a 5-stage Bardenpho- process domestic wastewater treatment plant. The permitted capacity for the facility's three-month average daily flow (TMADF) is 0.84 million gallons per day (MGD). The major unit operation units of the headworks are two fine screens, two bar racks and two 140,000-gallon equalization tanks.

The plant has two biological nutrient removal basins. Each basin has a 21,000-gallon anaerobic zone, two 54,000-gallon anoxic zones, a 285,000-gallon aeration channel and a 9,000-gallon reaeration basin. Chemical additions to both basins are provided by a sodium hydroxide feed system, an alum feed system and a methanol feed system.

The plant has two clarifiers with 60-foot diameters. There are two filter units. Each filter unit has four disk filters. The surface area of each disk is 53.8 square feet.

The disinfection system consists of two 7,600-gallon chlorine contact chambers and a gaseous chlorine feed system.

The solids processing facilities consist of two rotary drum thickeners, a thickening polymer feed system, two 50,000-gallon aerated sludge holding tanks, a dewatering polymer feed system and one centrifuge.

DISPOSAL:

Underground Injection U-01: Construct four, (4), nominal ten-inch, (10") diameter, PVC casing, class V, Group 3, injection wells 295404-001, 002, 003 and 004. Injection is into the Key Largo and Miami Oolite Formations for the primary means of disposal of non-hazardous advanced treated domestic wastewater treatment facility effluent from the WWTP to the proposed injection wells. The peak disposal rate, per well, shall be 0.94 million gallons per day (MGD) or 653 gallons per minute (gpm).

PERMITTEE: Florida Keys Aqueduct Authority
FACILITY: Cudjoe Key WWTP

PERMIT NUMBER: FLA671932-001
EXPIRATION DATE: September 20, 2014

IN ACCORDANCE WITH: The limitations, monitoring requirements, and other conditions set forth in this cover sheet and Part I through Part X on pages 1 through 19 of this permit.

PERMITTEE: Florida Keys Aqueduct Authority
 FACILITY: Cudjoe Key WWTP

PERMIT NUMBER: FLA671932-001
 EXPIRATION DATE: September 20, 2014

I. RECLAIMED WATER AND EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

A. Underground Injection Control Systems

1. During the period beginning on the issuance date and lasting through the expiration date of this permit, the permittee is authorized to discharge effluent to Underground Injection Well System U-01 located approximately at latitude 24°40'38", longitude 81°30'31". Such discharge shall be limited and monitored by the permittee as specified below and reported in accordance with condition I.B.7.

Parameter	Units	Max/Min	Reclaimed Water Limitations			Monitoring Requirements			Notes
			Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number		
BOD, Carbonaceous 5 day, 20C	mg/L	Max	5.0	Annual Average	Weekly	16-hr FPC	EFF-01		
		Max	6.25	Monthly Average					
		Max	7.5	Weekly Average					
		Max	10.0	Single Sample					
Solids, Total Suspended	mg/L	Max	5.0	Annual Average	Weekly	16-hr FPC	EFF-01		
		Max	6.25	Monthly Average					
		Max	7.5	Weekly Average					
		Max	10.0	Single Sample					
Coliform, Fecal	#/100mL	Max	200	Annual Average	Weekly	Grab	EFF-01	See I.A.4	
		Max	200	Monthly Geometric Mean					
		Max	800	Single Sample					
pH	s.u.	Min	6.0	Single Sample	5 Days/Week	Grab	EFF-01		
		Max	8.5	Single Sample					
Chlorine, Total Residual (For Disinfection)	mg/L	Min	0.5	Single Sample	5 Days/Week	Grab	EFF-01	See I.A.5	
		Max	3.0	Annual Average					
Nitrogen, Total	mg/L	Max	3.75	Monthly Average	Weekly	16-hr FPC	EFF-01		
		Max	4.5	Weekly Average					
		Max	6.0	Single Sample					
		Max	1.0	Annual Average					
Phosphorus, Total (as P)	mg/L	Max	1.25	Monthly Average	Weekly	16-hr FPC	EFF-01		
		Max	1.5	Weekly Average					
		Max	2.0	Single Sample					
		Max	1.0	Annual Average					

PERMITTEE: Florida Keys Aqueduct Authority
FACILITY: Cudjoe Key WWTP

PERMIT NUMBER: FLA671932-001
EXPIRATION DATE: September 20, 2014

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

Monitoring Site Number	Description of Monitoring Site
EFF-01	Sampler on the effluent pipe.

3. A recording flow meter with totalizer shall be utilized to measure flow and calibrated at least once every 12 months. [62-601.200(17) and .500(6)]
4. The effluent limitation for the monthly geometric mean for fecal coliform is only applicable if 10 or more values are reported. If fewer than 10 values are reported, the monthly geometric mean shall be calculated and reported on the Discharge Monitoring Report. [62-600.440(4)(c)]
5. Total residual chlorine must be maintained for a minimum contact time of 15 minutes based on peak hourly flow. [62-600.440(4)(b) and (5)(b)]

PERMITTEE: Florida Keys Aqueduct Authority
 FACILITY: Cudjoe Key WWTP

PERMIT NUMBER: FLA671932-001
 EXPIRATION DATE: September 20, 2014

B. Other Limitations and Monitoring and Reporting Requirements

1. During the period beginning on the issuance date and lasting through the expiration date of this permit, the treatment facility shall be limited and monitored by the permittee as specified below and reported in accordance with condition I.B.7.

Parameter	Units	Max/Min	Limit	Limitations		Monitoring Requirements			Notes
				Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number		
Flow	MGD	Max Max	0.84 Report	Quarterly Average Monthly Average	5 Days/Week	Recording Flow Meter with Totalizer	FLW-01	See I.B.4	
Percent Capacity, (TMADF/Permitted Capacity) x 100	percent	Max	Report	Monthly Average	Monthly	Calculated	FLW-01		
BOD, Carbonaceous 5 day, 20C (Influent)	mg/L	Max	Report	Single Sample	Weekly	16-hr FPC	INF-01	See I.B.3 and I.B.10	
Solids, Total Suspended (Influent)	mg/L	Max	Report	Single Sample	Weekly	16-hr FPC	INF-01	See I.B.3 and I.B.10	

PERMITTEE: Florida Keys Aqueduct Authority
 FACILITY: Cudjoe Key WWTP

PERMIT NUMBER: FLA671932-001
 EXPIRATION DATE: September 20, 2014

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

Monitoring Site Number	Description of Monitoring Site
FLW-01	Flow meter on the influent pipe.
INF-01	Influent sampler

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)]
4. A recording flow meter with totalizer shall be utilized to measure flow and calibrated at least once every 12 months. [62-601.200(17) and .500(6)]
5. The sample collection, analytical test methods and method detection limits applicable to this permit shall be conducted using a sufficiently sensitive method to ensure compliance with effluent limitations. [62-4.246, 62-160]
6. 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)]
7. Monitoring requirements under this permit are effective on the first day of the second month following permit issuance. Until such time, the permittee shall continue to monitor and report in accordance with previously effective permit requirements, if any. During the period of operation authorized by this permit, the permittee shall complete and submit to the Department Discharge Monitoring Reports (DMRs) in accordance with the frequencies specified by the REPORT type (i.e. monthly, toxicity, quarterly, semiannual, annual, etc.) indicated on the DMR form attached to this permit. Monitoring results for each monitoring period shall be submitted in accordance with the associated DMR due dates below.

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

DMRs shall be submitted for each required monitoring period including months of no discharge. The permittee shall make copies of the attached DMR forms and shall submit the completed DMR forms to the Department's South District Office at the address specified in Permit Condition I.B.8. by the twenty-eighth (28th) of the month following the month of operation.

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

8. Unless specified otherwise in this permit, all reports and other information required by this permit, including 24-hour notifications, shall be submitted to or reported to, as appropriate, the Department's South District Office at the address specified below:

Florida Department of Environmental Protection South District Office
 2796 Overseas Highway
 Suite 221
 Marathon, Florida 33050-2227

PERMITTEE: Florida Keys Aqueduct Authority
FACILITY: Cudjoe Key WWTP

PERMIT NUMBER: FLA671932-001
EXPIRATION DATE: September 20, 2014

Phone Number - (305)289-2310
FAX Number - (305)289-2314
(All FAX copies and e-mails shall be followed by original copies.)

[62-620.305]

9. All reports and other information shall be signed in accordance with the requirements of Rule 62-620.305, F.A.C. *[62-620.305]*
10. Influent flow proportioned composite samples for CBOD₅ and total suspended solids shall be taken on the same day, and composite periods shall be at the same time of day that the effluent samples are taken. *[62-601.300(6)]*

II. RESIDUALS MANAGEMENT REQUIREMENTS

1. The method of residuals use or disposal by this facility is disposal in a Class I or II solid waste landfill. *[62-620.320(6), 62-640.880(1)]*
2. The permittee shall be responsible for proper treatment, management, use, and land application or disposal of its residuals. *[62-640.300(5)]*
3. Disposal of residuals, septage, and other solids in a solid waste disposal facility, 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 the requirements of Chapter 62-701, F.A.C. *[62-640.100(6)(k)3&4]*
4. If the permittee intends to accept residuals from other facilities, a permit revision is required pursuant to Rule 62-640.880(2)(d), F.A.C. *[62-640.880(2)(d)]*
5. Storage of residuals or other solids at the permitted facility shall require prior written notification to the Department. *[62-640.300(4)]*

III. GROUND WATER REQUIREMENTS

Section III is not applicable to this facility.

IV. ADDITIONAL REUSE AND LAND APPLICATION REQUIREMENTS

Section IV is not applicable to this facility.

V. OPERATION AND MAINTENANCE REQUIREMENTS

A. Staffing Requirements

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

A Class C or higher operator 16 hours/day for 7 days/week. The lead/chief operator must be a Class B operator, or higher.
2. The lead/chief operator shall be employed at the plant full time. "Full time" shall mean at least 4 days per week, working a minimum of 35 hours per week, including leave time. A licensed operator shall be on-site and in charge of each required shift for periods of required staffing time when the lead/chief operator is not on-site. An operator meeting the lead/chief operator class for the treatment plant shall be available during all periods of

PERMITTEE: Florida Keys Aqueduct Authority
FACILITY: Cudjoe Key WWTP

PERMIT NUMBER: FLA671932-001
EXPIRATION DATE: September 20, 2014

plant operation. "Available" means able to be contacted as needed to initiate the appropriate action in a timely manner. [62-699.311(10), (6) and (1)]

B. Capacity Analysis Report and Operation and Maintenance Performance Report Requirements

1. When the three-month average daily flow for the most recent three consecutive months exceeds 50 percent of the permitted capacity of the treatment plant or reuse and disposal systems, the permittee shall submit to the Department a capacity analysis report. This initial capacity analysis report shall be submitted within 180 days after the last day of the last month of the three-month period referenced above. The capacity analysis report shall be prepared in accordance with Rule 62-600.405, F.A.C. [62-600.405(4)]
2. 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)]
3. When the capacity analysis report indicates that the flow to the facility will exceed 1.0 MGD TMADF within five years, the permittee shall apply for a Class V deep well permit. [99-395, Section 6, (7)(b), Laws of Florida]

C. Recordkeeping Requirements

1. 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, including, if applicable, a copy of the laboratory certification showing the certification number of the laboratory, for at least three years from the date the sample or measurement was taken;
 - b. Copies of all reports required by the permit for at least three years from the date the report was prepared;
 - c. Records of all data, including reports and documents, used to complete the application for the permit for at least three years from the date the application was filed;
 - d. Monitoring information, including a copy of the laboratory certification showing the laboratory certification number, related to the residuals use and disposal activities for the time period set forth in Chapter 62-640, F.A.C., for at least three years from the date of sampling or measurement;
 - e. A copy of the current permit;
 - f. A copy of the current operation and maintenance manual as required by Chapter 62-600, F.A.C.;
 - g. A copy of any required 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 license number of the operators and the signature of the persons making any entries; date and time in and out; specific operation and maintenance activities, including any preventive maintenance or repairs made or requested; results of tests performed and samples taken, unless documented on a laboratory sheet; and notation of any notification or reporting completed in accordance with Rule 62-602.650(3), F.A.C. 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, 62-602.650]

PERMITTEE: Florida Keys Aqueduct Authority
FACILITY: Cudjoe Key WWTP

PERMIT NUMBER: FLA671932-001
EXPIRATION DATE: September 20, 2014

VI. SCHEDULES

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

Improvement Action		Completion Date
a.	Begin construction of the facility.	January 1, 2010
b.	Complete the construction of the facility.	July 1, 2011

[62-620.320(6)]

2. Prior to placing the new 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 Wastewater Facilities or Activities. *[62-620.410(7)]*
3. 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. *[62-620.410(6) and 62-620.630(7)]*
4. 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 no later than one-hundred and eighty days (180) prior to the expiration date of this permit. Application shall be made using the appropriate forms listed in Rule 62-620.910, F.A.C., including submittal of the appropriate processing fee set forth in Rule 62-4.050, F.A.C. *[62-620.335(1) and (2)]*

VII. INDUSTRIAL PRETREATMENT PROGRAM REQUIREMENTS

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

VIII. OTHER SPECIFIC CONDITIONS

1. 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) and 62-640.400(6)]*
2. The deliberate introduction of stormwater in any amount into collection/transmission systems designed solely for the introduction (and conveyance) of domestic/industrial wastewater; or the deliberate introduction of stormwater into collection/transmission systems designed for the introduction or conveyance of combinations of storm and domestic/industrial wastewater in amounts which may reduce the efficiency of pollutant removal by the treatment plant is prohibited, except as provided by Rule 62-610.472, F.A.C. *[62-604.130(3)]*
3. Collection/transmission system overflows shall be reported to the Department in accordance with Permit Condition IX. 20. *[62-604.550] [62-620.610(20)]*
4. 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

PERMITTEE: Florida Keys Aqueduct Authority
FACILITY: Cudjoe Key WWTP

PERMIT NUMBER: FLA671932-001
EXPIRATION DATE: September 20, 2014

- b. Which may cause excessive corrosion or other deterioration of wastewater facilities due to chemical action or pH levels; or
- c. Which are solid or viscous and obstruct flow or otherwise interfere with wastewater facility operations or treatment; or
- d. Which result in the wastewater temperature at the introduction of the treatment plant exceeding 40°C or otherwise inhibiting treatment; or
- e. Which result in the presence of toxic gases, vapors, or fumes that may cause worker health and safety problems.

[62-604.130(5)]

5. The treatment facility, storage ponds for Part II systems, rapid infiltration basins, and/or infiltration trenches shall be enclosed with a fence or otherwise provided with features to discourage the entry of animals and unauthorized persons. *[62-600.400(2)(b)]*
6. 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)]*
7. Where required by Chapter 471 or Chapter 492, F.S., applicable portions of reports that must be submitted under this permit shall be signed and sealed by a professional engineer or a professional geologist, as appropriate. *[62-620.310(4)]*
8. The permittee shall provide verbal notice to the Department's South District Office as soon as practical after discovery of a sinkhole or other karst feature within an area for the management or application of wastewater, wastewater residuals (sludges), or reclaimed water. The permittee shall immediately implement measures appropriate to control the entry of contaminants, and shall detail these measures to the Department's South District Office in a written report within 7 days of the sinkhole discovery. *[62-620.320(6)]*
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)]

IX. GENERAL CONDITIONS

1. The terms, conditions, requirements, limitations, and restrictions set forth in this permit are binding and enforceable pursuant to Chapter 403, Florida Statutes. Any permit noncompliance constitutes a violation of Chapter 403, Florida Statutes, and is grounds for enforcement action, permit termination, permit revocation and reissuance, or permit revision. *[62-620.610(1)]*
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviations from the approved drawings, exhibits, specifications, or conditions of this permit constitutes grounds for revocation and enforcement action by the Department. *[62-620.610(2)]*

PERMITTEE: Florida Keys Aqueduct Authority
FACILITY: Cudjoe Key WWTP

PERMIT NUMBER: FLA671932-001
EXPIRATION DATE: September 20, 2014

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)]*
4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title. *[62-620.610(4)]*
5. This permit does not relieve the permittee from liability and penalties for harm or injury to human health or welfare, animal or plant life, or property caused by the construction or operation of this permitted source; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department. The permittee shall take all reasonable steps to minimize or prevent any discharge, reuse of reclaimed water, or residuals use or disposal in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. *[62-620.610(5)]*
6. If the permittee wishes to continue an activity regulated by this permit after its expiration date, the permittee shall apply for and obtain a new permit. *[62-620.610(6)]*
7. The permittee shall at all times properly operate and maintain the facility and systems of treatment and control, and related appurtenances, that are installed and used by the permittee to achieve compliance with the conditions of this permit. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to maintain or achieve compliance with the conditions of the permit. *[62-620.610(7)]*
8. This permit may be modified, revoked and reissued, or terminated for cause. The filing of a request by the permittee for a permit revision, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition. *[62-620.610(8)]*
9. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, including an authorized representative of the Department and authorized EPA personnel, when applicable, upon presentation of credentials or other documents as may be required by law, and at reasonable times, depending upon the nature of the concern being investigated, to:
 - a. Enter upon the permittee's premises where a regulated facility, system, or activity is located or conducted, or where records shall be kept under the conditions of this permit;
 - b. Have access to and copy any records that shall be kept under the conditions of this permit;
 - c. Inspect the facilities, equipment, practices, or operations regulated or required under this permit; and
 - d. Sample or monitor any substances or parameters at any location necessary to assure compliance with this permit or Department rules.*[62-620.610(9)]*
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, F.S., or Rule 62-620.302, F.A.C. Such evidence shall only be used to the extent that it is consistent with the Florida Rules of Civil Procedure and applicable evidentiary rules. *[62-620.610(10)]*
11. When requested by the Department, the permittee shall within a reasonable time provide any information required by law which is needed to determine whether there is cause for revising, revoking and reissuing, or

PERMITTEE: Florida Keys Aqueduct Authority
FACILITY: Cudjoe Key WWTP

PERMIT NUMBER: FLA671932-001
EXPIRATION DATE: September 20, 2014

terminating this permit, or to determine compliance with the permit. The permittee shall also provide to the Department upon request copies of records required by this permit to be kept. If the permittee becomes aware of relevant facts that were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be promptly submitted or corrections promptly reported to the Department. *[62-620.610(11)]*

12. Unless specifically stated otherwise in Department rules, the permittee, in accepting this permit, agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules. A reasonable time for compliance with a new or amended surface water quality standard, other than those standards addressed in Rule 62-302.500, F.A.C., shall include a reasonable time to obtain or be denied a mixing zone for the new or amended standard. *[62-620.610(12)]*
13. The permittee, in accepting this permit, agrees to pay the applicable regulatory program and surveillance fee in accordance with Rule 62-4.052, F.A.C. *[62-620.610(13)]*
14. This permit is transferable only upon Department approval in accordance with Rule 62-620.340, F.A.C. The permittee shall be liable for any noncompliance of the permitted activity until the transfer is approved by the Department. *[62-620.610(14)]*
15. The permittee shall give the Department written notice at least 60 days before inactivation or abandonment of a wastewater facility or activity and shall specify what steps will be taken to safeguard public health and safety during and following inactivation or abandonment. *[62-620.610(15)]*
16. The permittee shall apply for a revision to the Department permit in accordance with Rules 62-620.300, F.A.C., and the Department of Environmental Protection Guide to Permitting Wastewater Facilities or Activities Under Chapter 62-620, F.A.C., at least 90 days before construction of any planned substantial modifications to the permitted facility is to commence or with Rule 62-620.325(2), F.A.C., for minor modifications to the permitted facility. A revised permit shall be obtained before construction begins except as provided in Rule 62-620.300, F.A.C. *[62-620.610(16)]*
17. The permittee shall give advance notice to the Department of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements. The permittee shall be responsible for any and all damages which may result from the changes and may be subject to enforcement action by the Department for penalties or revocation of this permit. The notice shall include the following information:
 - a. A description of the anticipated noncompliance;
 - b. The period of the anticipated noncompliance, including dates and times; and
 - c. Steps being taken to prevent future occurrence of the noncompliance.*[62-620.610(17)]*
18. Sampling and monitoring data shall be collected and analyzed in accordance with Rule 62-4.246 and Chapters 62-160, 62-601, and 62-610, F.A.C., and 40 CFR 136, as appropriate.
 - a. Monitoring results shall be reported at the intervals specified elsewhere in this permit and shall be reported on a Discharge Monitoring Report (DMR), DEP Form 62-620.910(10), or as specified elsewhere in the permit.
 - b. If the permittee monitors any contaminant more frequently than required by the permit, using Department approved test procedures, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the DMR.
 - c. Calculations for all limitations which require averaging of measurements shall use an arithmetic mean unless otherwise specified in this permit.
 - d. Except as specifically provided in Rule 62-160.300, F.A.C., any laboratory test required by this permit shall be performed by a laboratory that has been certified by the Department of Health Environmental

PERMITTEE: Florida Keys Aqueduct Authority
FACILITY: Cudjoe Key WWTP

PERMIT NUMBER: FLA671932-001
EXPIRATION DATE: September 20, 2014

Laboratory Certification Program (DOH ELCP). Such certification shall be for the matrix, test method and analytes being measured to comply with this permit. For domestic wastewater facilities, testing for parameters listed in Rule 62-160.300(4), F.A.C., shall be conducted under the direction of a certified operator.

- e. Field activities including on-site tests and sample collection shall follow the applicable standard operating procedures described in DEP-SOP-001/01 adopted by reference in Chapter 62-160, F.A.C.
- f. Alternate field procedures and laboratory methods may be used where they have been approved in accordance with Rules 62-160.220, and 62-160.330, F.A.C.

[62-620.610(18)]

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

PERMITTEE: Florida Keys Aqueduct Authority
FACILITY: Cudjoe Key WWTP

PERMIT NUMBER: FLA671932-001
EXPIRATION DATE: September 20, 2014

[62-620.610(20)]

21. The permittee shall report all instances of noncompliance not reported under Permit Conditions IX.17., IX.18. or IX.19. of this permit at the time monitoring reports are submitted. This report shall contain the same information required by Permit Condition IX.20. of this permit. [62-620.610(21)]
22. Bypass Provisions.
 - a. "Bypass" means the intentional diversion of waste streams from any portion of a treatment works.
 - b. 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.
 - c. 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.
 - d. 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.
 - e. A permittee may allow any bypass to occur which does not cause reclaimed water or effluent limitations to be exceeded if it is for essential maintenance to assure efficient operation. These bypasses are not subject to the provisions of Permit Condition IX.22.a. through c. of this permit.

[62-620.610(22)]

23. Upset Provisions.
 - a. "Upset" means an exceptional incident in which there is unintentional and temporary noncompliance with technology-based effluent limitations because of factors beyond the reasonable control of the permittee.
 - (1) An upset does not include noncompliance caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, careless or improper operation.
 - (2) An upset constitutes an affirmative defense to an action brought for noncompliance with technology based permit effluent limitations if the requirements of upset provisions of Rule 62-620.610, F.A.C., are met.
 - b. 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 causes 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.
 - c. In any enforcement proceeding, the burden of proof for establishing the occurrence of an upset rests with the permittee.
 - d. 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.

PERMITTEE: Florida Keys Aqueduct Authority
FACILITY: Cudjoe Key WWTP

PERMIT NUMBER: FLA671932-001
EXPIRATION DATE: September 20, 2014

[62-620.610(23)]

X. INJECTION WELLS

1. GENERAL CRITERIA

- a. The permittee shall be aware of and operate under the General Conditions of Florida Administrative Code, (F.A.C.), Rule 62-528.307(1), (a) through (x), and 62-528.307(3)(a) through (e). These General Conditions are binding upon the permittee and enforceable pursuant to Chapter 403 of the Florida Statutes.
- b. Any permit noncompliance constitutes a violation of the Safe Drinking Water Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.
- c. 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.
- d. The permittee shall take all reasonable steps to minimize or correct any adverse impacts on the environment resulting from noncompliance with this permit.
- e. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls, including appropriate quality assurance procedures.
- f. This permit may be modified, revoked and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation or reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.
- g. When requested by the Department, the permittee shall furnish, within the time specified, any information needed to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit.
- h. Signatories and Certification Requirements
 - (1) All reports and other submittals required to comply with this permit shall be signed by a person authorized under Rules 62-528.340(1) or (2), F.A.C.
 - (2) In accordance with Rule 62-528.340(4), F.A.C., all reports shall contain the following certification:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based upon my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."
- i. The permittee shall notify the Department and obtain approval prior to any work within the well, physical alterations or additions to the injection or monitor well, including removal of the wellhead. (includes well clean out or other well rehabilitation type work)
- j. The permittee shall give advance notice to the Department of any planned changes in the permitted facility or injection activity that may result in noncompliance with permit requirements.
 - (1) The permittee shall report any noncompliance that may endanger health or the environment, to include:

PERMITTEE: Florida Keys Aqueduct Authority
FACILITY: Cudjoe Key WWTP

PERMIT NUMBER: FLA671932-001
EXPIRATION DATE: September 20, 2014

- (2) Any monitoring or other information which indicates that any contaminant may cause an endangerment to an underground source of drinking water; or to adjacent surface waters, or
- (3) Any noncompliance with a permit condition or malfunction of the injection system that may cause fluid migration into or between underground sources of drinking water or adjacent surface waters.
- k. 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 5 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 times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and the steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance.
- l. No underground injection is allowed that causes or allows movement of fluid into an underground source of drinking water or adjacent surface waters.
- m. The permittee shall retain all records of all monitoring information concerning the nature and composition of injected fluid until five years after completion of any plugging and abandonment procedures specified under Rule 62-528.435, F.A.C. The permittee shall deliver the records to the Department office that issued the permit at the conclusion of the retention period unless the permittee elects to continue retention of the records.

2. OPERATING REQUIREMENTS

- a. Injection of any fluids or materials, other than those permitted, into the disposal wells will constitute a violation of this permit and shall constitute cause for permit revocation and possible enforcement action for water quality violations.
- b. Injection into each well shall not exceed a peak hourly flow rate of 653.0 gallons per minute (0.94 MGD Peak Day Flow). Flow to the wellhead shall be measured with a properly calibrated flow meter or such other devices as provided for in this facility's wastewater treatment permit.
- c. In the event the permittee is temporarily unable to comply with any of the conditions of a permit due to breakdown of equipment, power outages, destruction by hazard of fire, wind, or by other cause, the permittee of the facility shall notify the Department.
- d. Notification shall be made in person, by telephone, or by electronic mail within 24 hours of breakdown or malfunction to the South District office.
- e. A written report of any noncompliance referenced in Operating Requirements condition 2.c. above shall be submitted to the South District and Tallahassee offices within five days after its occurrence. The report shall describe the nature and cause of the breakdown or malfunction, the steps being taken or planned to be taken to correct the problem and prevent its reoccurrence, emergency procedures in use pending correction of the problem, and the time when the facility will again be operating in accordance with permit conditions.
- f. The permittee shall calibrate all pressure gauges, flow meters, chart recorders, and other related equipment associated with the injection well system on the same basis as is required by the facility wastewater permit. The permittee shall maintain all monitoring equipment and shall ensure that the monitoring equipment is calibrated and in proper operating condition at all times. Laboratory equipment, methods, and quality control will follow EPA guidelines as expressed in Standard Methods for the Examination of Water and Wastewater. The pressure gauges, flow meters, and chart recorders, as applicable to this facility, shall be calibrated using standard engineering methods. Calibration records shall be kept by the permittee at the permitted facility and be available for inspection by Department personnel upon request.

PERMITTEE: Florida Keys Aqueduct Authority
 FACILITY: Cudjoe Key WWTP

PERMIT NUMBER: FLA671932-001
 EXPIRATION DATE: September 20, 2014

- g. In the event a well must be plugged or abandoned, the permittee shall obtain a permit from the Department as required by Chapter 62-528, Florida Administrative Code. Within 180 days of well abandonment, the permittee shall submit to the Department and the TAC the proposed plugging method, pursuant to Rule 62-528.460, F.A.C. When no longer used for their intended purpose, these wells shall be properly plugged and abandoned.

3. TESTING AND REPORTING REQUIREMENTS

- a. The injection system shall be monitored in accordance with Rule 62-528.615(2), F.A.C. The following injection well performance data shall be recorded and reported in the Monthly Operating Report as indicated below. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.

INJECTION WELLS:

The specifications for the injection wells are as follows:

Casing Diameter and Type	Depth Cased (ft bls)	Open Hole Interval (feet bls)
10" PVC SDR17 Certalok or equiv.	Min of 80'	Min 110'

The injection wells shall be monitored in accordance with the parameters and frequencies listed below. The flow rate shall be recorded continuously or as required by the facility wastewater permit in accordance with Rule 62-528.615(2), F.A.C. All samples shall be collected and analyzed in accordance with the quality assurance requirements of Chapter 62-160, F.A.C. The report shall include the following data:

Parameters	Reporting Frequency
Daily Flow Rate (GPM)	Daily/Monthly
Maximum Peak Hourly Flow Rate (For non-continuous recorders please substitute Average Hourly Flow for the Peak Hourly Flow Rate. Average Hourly Flow = Daily Flow Rate ÷ 24)	Daily/Monthly
Minimum Total Residual Chlorine (mg/L)	Daily/Monthly
Total Volume WWTP Effluent Injected (gallons)	Daily/Monthly

WWTP Effluent Water Quality

Parameters	Reporting Frequency
pH (std. Units)	Monthly
Total Nitrogen (TN) (mg/L)	Monthly
Total Phosphorus (mg/L)	Monthly
CBOD ₅ (mg/L)	Monthly
Solids, Total Suspended (mg/L)	Monthly
Fecal Coliform	Monthly

- b. In accordance with Rule 62-528.615(2), F.A.C., the permittee shall submit to the Department the results of all monitoring data collected no later than the last day of the month immediately following the end of the month of record. The results shall be sent to the Department of Environmental Protection, South District Office, P.O.

PERMITTEE: Florida Keys Aqueduct Authority
FACILITY: Cudjoe Key WWTP

PERMIT NUMBER: FLA671932-001
EXPIRATION DATE: September 20, 2014

Box 2549, Fort Myers, Florida 33902-2549. The results shall be submitted in the same manner and on the same forms as required by the facility wastewater permit.

4. UIC PROGRAM WELL PERMIT RENEWAL

- c. In accordance with Rules 62-4.090(1) and 62-528.455(3)(a), F.A.C., the permittee shall submit an application for renewal of the existing injection well system operating permit (a minimum of 5 copies) with the applicable fee at least 60 days prior to the expiration of this operation permit. The application for renewal shall include the items listed in Rule 62-528.455(3)(b), F.A.C.

5. EMERGENCY DISPOSAL

- a. All applicable federal, state and local permits must be in place to allow for any alternate discharges due to emergency or planned outage conditions.
 - b. Any changes in emergency disposal methods must be submitted for Technical Advisory Committee (TAC) review and Department approval.
 - c. The permittee shall notify the local office of the Department within 24 hours in the event the emergency discharge has been used. The notification should include the reason for using the emergency discharge, the duration of the discharge, and the volume discharged. Written notification shall be provided within 5 days after its occurrence.
6. The permittee is reminded of the necessity to comply with the pertinent regulations of any other regulatory 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 regulatory agencies.

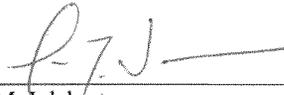
Note: In the event of an emergency the permittee shall contact the Department by calling (800) 320-0519. The permittee shall call (239) 332-6975 during regular business hours.

PERMITTEE: Florida Keys Aqueduct Authority
FACILITY: Cudjoe Key WWTP

PERMIT NUMBER: FLA671932-001
EXPIRATION DATE: September 20, 2014

Executed in Fort Myers, Florida

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION



Jon M. Iglehart
Director of
District Management

DATE: September 21, 2009

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, 2796 Overseas Highway, Suite 221, Marathon, FL 33505-2227

PERMITTEE NAME: Florida Keys Aqueduct Authority
 MAILING ADDRESS: PO Box 1239
 Key West, Florida 33041-1239

PERMIT NUMBER: FLA671932-001-DW1P

REPORT PROGRAM: Monthly Domestic

FACILITY: Cudjoe Key WWTP
 LOCATION: Blimp Road
 Cudjoe Key, FL 33042

Final N/A U-01

LIMIT: Final N/A U-01
 CLASS SIZE: N/A
 MONITORING GROUP NUMBER: U-01
 MONITORING GROUP DESCRIPTION: Injection Wells, with Influent

RE-SUBMITTED DMR:
 NO DISCHARGE FROM SITE:
 MONITORING PERIOD From: _____ To: _____

COUNTY: Monroe
 OFFICE: South District

Parameter	Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
BOD, Carbonaceous 5 day, 20C	Sample Measurement						
PARM Code 80082 Y	Permit Requirement		5.0 (An.Avg.)	mg/L		Weekly	16-hr FPC
Mon. Site No. EFF-01	Sample Measurement						
BOD, Carbonaceous 5 day, 20C	Permit Requirement		10.0 (Max.)	mg/L		Weekly	16-hr FPC
PARM Code 80082 I	Sample Measurement						
Mon. Site No. EFF-01	Permit Requirement		7.5 (Wk.Avg.)	mg/L		Weekly	16-hr FPC
Solids, Total Suspended	Sample Measurement						
PARM Code 00530 Y	Permit Requirement		5.0 (An.Avg.)	mg/L		Weekly	16-hr FPC
Mon. Site No. EFF-01	Sample Measurement						
Solids, Total Suspended	Permit Requirement		10.0 (Max.)	mg/L		Weekly	16-hr FPC
PARM Code 00530 I	Sample Measurement						
Mon. Site No. EFF-01	Permit Requirement		7.5 (Wk.Avg.)	mg/L		Weekly	16-hr FPC
Coliform, Fecal	Sample Measurement						
PARM Code 74055 Y	Permit Requirement		200 (An.Avg.)	#/100mL		Weekly	Grab
Mon. Site No. EFF-01	Sample Measurement						
Coliform, Fecal	Permit Requirement		200 (Mo.Geo.Mn.)	#/100mL		Weekly	Grab
PARM Code 74055 I	Sample Measurement						
Mon. Site No. EFF-01	Permit Requirement						

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

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: Cudjoe Key WWTP

MONITORING GROUP U-01

PERMIT NUMBER: FLA671932-001-DW1P

MONITORING PERIOD From: _____ To: _____

Parameter	Sample Measurement Permit Requirement	Quantity or Loading	Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
				Min.	Max.				
pH	Measurement								
PARM Code 00400 I Mon. Site No. EFF-01	Permit Requirement			6.0 (Min.)	8.5 (Max.)	s.u.		5 Days/Week	Grab
Chlorine, Total Residual(For Disinfection)	Sample Measurement Permit Requirement			0.5 (Min.)		mg/L		5 Days/Week	Grab
PARM Code 50060 I Mon. Site No. EFF-01	Permit Requirement								
Nitrogen, Total	Sample Measurement Permit Requirement								
PARM Code 00600 Y Mon. Site No. EFF-01	Permit Requirement				3.0 (An.Avg.)	mg/L		Weekly	16-hr FPC
Nitrogen, Total	Sample Measurement Permit Requirement								
PARM Code 00600 I Mon. Site No. EFF-01	Permit Requirement			6.0 (Max.)	4.5 (Wk.Avg.)	mg/L		Weekly	16-hr FPC
Phosphorus, Total (as P)	Sample Measurement Permit Requirement								
PARM Code 00665 Y Mon. Site No. EFF-01	Permit Requirement				1.0 (An.Avg.)	mg/L		Weekly	16-hr FPC
Phosphorus, Total (as P)	Sample Measurement Permit Requirement								
PARM Code 00665 I Mon. Site No. EFF-01	Permit Requirement			2.0 (Max.)	1.5 (Wk.Avg.)	mg/L		Weekly	16-hr FPC
Flow	Sample Measurement Permit Requirement								
PARM Code 50050 I Mon. Site No. FLW-01	Permit Requirement	Report (Mo.Avg.)	0.84 (Qt.Avg.)			MGD		5 Days/Week	Flow Totalizer
Percent Capacity, (TMADF/Permitted Capacity) x 100	Sample Measurement Permit Requirement								
PARM Code 00180 I Mon. Site No. FLW-01	Permit Requirement					percent		Monthly	Calculated
BOD, Carbonaceous 5 day, 20C(Influent)	Sample Measurement Permit Requirement								
PARM Code 80082 P Mon. Site No. INF-01	Permit Requirement					mg/L		Weekly	16-hr FPC
Solids, Total Suspended(Influent)	Sample Measurement Permit Requirement								
PARM Code 00530 P Mon. Site No. INF-01	Permit Requirement					mg/L		Weekly	16-hr FPC

DAILY SAMPLE RESULTS - PART B

Permit Number: FLA671932-001-DW1P Facility: Cudjoe Key WWTP
 Monitoring Period From: _____ To: _____

Code	BOD, Carbonaceous 5 day, 20C mg/L	Chlorine, Total Residual mg/L	Coliform, Fecal #/100mL	Nitrogen, Total mg/L	Phosphorus, Total (as P) mg/L	Solids, Total Suspended mg/L	pH s.u.	Flow MGD	Percent Capacity, (TMADF/Permitted Capacity) x 100 percent	BOD, Carbonaceous 5 day, 20C mg/L	Solids, Total Suspended mg/L
80082		50060	74055	00600	00665	00530	00400	50050	00180	80082	00530
Mon. Site	EFF-01	EFF-01	EFF-01	EFF-01	EFF-01	EFF-01	EFF-01	FLW-01	FLW-01	INF-01	INF-01
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											
29											
30											
31											
Total											
Mo. Avg.											

PLANT STAFFING:

Day Shift Operator Class: _____ Certificate No: _____ Name: _____

Evening Shift Operator Class: _____ Certificate No: _____ Name: _____

Night Shift Operator Class: _____ Certificate No: _____ Name: _____

Lead Operator Class: _____ Certificate No: _____ Name: _____

INSTRUCTIONS FOR COMPLETING THE WASTEWATER DISCHARGE MONITORING REPORT

Read these instructions as well as the SUPPLEMENTAL INSTRUCTIONS FOR COMPLETING THE WASTEWATER DISCHARGE MONITORING REPORT before completing the DMR. Hard copies and/or electronic copies of the required parts of the DMR were provided with the permit. All required information shall be completed in full and typed or printed in ink. A signed, original DMR shall be mailed to the address printed on the DMR by the 28th of the month following the monitoring period. The DMR shall not be submitted before the end of the monitoring period.

The DMR consists of three parts--A, B, and D--all of which may or may not be applicable to every facility. Facilities may have one or more Part A's for reporting effluent or reclaimed water data. All domestic wastewater facilities will have a Part B for reporting daily sample results. Part D is used for reporting ground water monitoring well data.

CODE	DESCRIPTION/INSTRUCTIONS	CODE	DESCRIPTION/INSTRUCTIONS
ANC	Analysis not conducted.	NOD	No discharge from/to site.
DRY	Dry Well	OPS	Operations were shutdown so no sample could be taken.
FLD	Flood disaster	OTH	Other. Please enter an explanation of why monitoring data were not available.
IFS	Insufficient flow for sampling.	SEF	Sampling equipment failure.
LS	Lost sample.		
MNR	Monitoring not required this period.		

When reporting analytical results that fall below a laboratory's reported method detection limits or practical quantification limits, the following instructions should be used:

1. Results greater than or equal to the PQL shall be reported as the measured quantity.
2. Results less than the PQL and greater than or equal to the MDL shall be reported as the laboratory's MDL value. These values shall be deemed equal to the MDL when necessary to calculate an average for that parameter and when determining compliance with permit limits.
3. Results less than the MDL shall be reported by entering a less than sign (" $<$ ") followed by the laboratory's MDL value, e.g. <0.001 . A value of one-half the MDL or one-half the effluent limit, whichever is lower, shall be used for that sample when necessary to calculate an average for that parameter. Values less than the MDL are considered to demonstrate compliance with an effluent limitation.

PART A -DISCHARGE MONITORING REPORT (DMR)

Part A of the DMR is comprised of one or more sections, each having its own header information. Facility information is preprinted in the header as well as the monitoring group number, whether the limits and monitoring requirements are interim or final, and the required submittal frequency (e.g. monthly, annually, quarterly, etc.). Submit Part A based on the required reporting frequency in the header and the instructions shown in the permit. The following should be completed by the permittee or authorized representative:

- No Discharge From Site:** Check this box if no discharge occurs and, as a result, there are no data or codes to be entered for all of the parameters on the DMR for the entire monitoring group number; however, if the monitoring group includes other monitoring locations (e.g., influent sampling), the "NOD" code should be used to individually denote those parameters for which there was no discharge.
- Monitoring Period:** Enter the month, day, and year for the first and last day of the monitoring period (i.e. the month, the quarter, the year, etc.) during which the data on this report were collected and analyzed.
- Sample Measurement:** Before filling in sample measurements in the table, check to see that the data collected correspond to the limit indicated on the DMR (i.e. interim or final) and that the data correspond to the monitoring group number in the header. Enter the data or calculated results for each parameter on this row in the non-shaded area above the limit. Be sure the result being entered corresponds to the appropriate statistical base code (e.g., annual average, monthly average, single sample maximum, etc.) and units.
- No. Ex.:** Enter the number of sample measurements during the monitoring period that exceeded the permit limit for each parameter in the non-shaded area. If none, enter zero.
- Frequency of Analysis:** The shaded areas in this column contain the minimum number of times the measurement is required to be made according to the permit. Enter the actual number of times the measurement was made in the space above the shaded area.
- Sample Type:** The shaded areas in this column contain the type of sample (e.g. grab, composite, continuous) required by the permit. Enter the actual sample type that was taken in the space above the shaded area.
- 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. Enter the date when the report is signed.
- Comment and Explanation of Any Violations:** Use this area to explain any exceedances, any upset or by-pass events, or other items which require explanation. If more space is needed, reference all attachments in this area.

PART B - DAILY SAMPLE RESULTS

Monitoring Period: Enter the month, day, and year for the first and last day of the monitoring period (i.e. the month, the quarter, the year, etc.) during which the data on this report were collected and analyzed.
Daily Monitoring Results: Transfer all analytical data from your facility's laboratory or a contract laboratory's data sheets for all day(s) that samples were collected. Record the data in the units indicated. Table 1 in Chapter 62-160, F.A.C., contains a complete list of all the data qualifier codes that your laboratory may use when reporting analytical results. However, when transferring numerical results onto Part B of the DMR, only the following data qualifier codes should be used and an explanation provided where appropriate.

CODE	DESCRIPTION/INSTRUCTIONS
<	The compound was analyzed for but not detected.
A	Value reported is the mean (average) of two or more determinations.
J	Estimated value, value not accurate.
Q	Sample held beyond the actual holding time.
Y	Laboratory analysis was from an unpreserved or improperly preserved sample.

Add the results to get the Total and divide by the number of days in the month to get the Monthly Average.

Plant Staffing: List the name, certificate number, and class of all state certified operators operating the facility during the monitoring period. Use additional sheets as necessary.

PART D - GROUND WATER MONITORING REPORT

Monitoring Period: Enter the month, day, and year for the first and last day of the monitoring period (i.e. the month, the quarter, the year, etc.) during which the data on this report were collected and analyzed.

Date Sample Obtained: Enter the date the sample was taken. Also, check whether or not the well was purged before sampling.

Time Sample Obtained: Enter the time the sample was taken.

Sample Measurement: Record the results of the analysis. If the result was below the minimum detection limit, indicate that.

Detection Limits: Record the detection limits of the analytical methods used.

Analysis Method: Indicate the analytical method used. Record the method number from Chapter 62-160 or Chapter 62-601, F.A.C., or from other sources.

Sampling Equipment Used: Indicate the procedure used to collect the sample (e.g. airlift, bucket/bailer, centrifugal pump, etc.)

Samples Filtered: Indicate whether the sample obtained was filtered by laboratory (L), filtered in field (F), or unfiltered (N).

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. Enter the date when the report is signed.

Comments and Explanation: Use this space to make any comments on or explanations of results that are unexpected. If more space is needed, reference all attachments in this area.

SPECIAL INSTRUCTIONS FOR LIMITED WET WEATHER DISCHARGES

Flow (Limited Wet Weather Discharge): Enter the measured average flow rate during the period of discharge or divide gallons discharged by duration of discharge (converted into days). Record in million gallons per day (MGD).

Flow (Upstream): Enter the average flow rate in the receiving stream upstream from the point of discharge for the period of discharge. The average flow rate can be calculated based on two measurements: one made at the start and one made at the end of the discharge period. Measurements are to be made at the upstream gauging station described in the permit.

Actual Stream Dilution Ratio: To calculate the Actual Stream Dilution Ratio, divide the average upstream flow rate by the average discharge flow rate. Enter the Actual Stream Dilution Ratio accurate to the nearest 0.1.

No. of Days the SDF > Stream Dilution Ratio: For each day of discharge, compare the minimum Stream Dilution Factor (SDF) from the permit to the calculated Stream Dilution Ratio. On Part B of the DMR, enter an asterisk (*) if the SDF is greater than the Stream Dilution Ratio on any day of discharge. On Part A of the DMR, add up the days with an "*" and record the total number of days the Stream Dilution Factor was greater than the Stream Dilution Ratio.

CBOD₅: Enter the average CBOD₅ of the reclaimed water discharged during the period shown in duration of discharge.

TKN: Enter the average TKN of the reclaimed water discharged during the period shown in duration of discharge.

Actual Rainfall: Enter the actual rainfall for each day on Part B. Enter the actual cumulative rainfall to date for this calendar year and the actual total monthly rainfall on Part A. The cumulative rainfall to date for this calendar year is the total amount of rain, in inches, that has been recorded since January 1 of the current year through the month for which this DMR contains data.

Rainfall During Average Rainfall Year: On Part A, enter the total monthly rainfall during the average rainfall year and the cumulative rainfall for the average rainfall year. The cumulative rainfall for the average rainfall year is the amount of rain, in inches, which fell during the average rainfall year from January through the month for which this DMR contains data.

No. of Days LWWD Activated During Calendar Year: Enter the cumulative number of days that the limited wet weather discharge was activated since January 1 of the current year.

Reason for Discharge: Attach to the DMR a brief explanation of the factors contributing to the need to activate the limited wet weather discharge.



Florida Department of Environmental Protection

South District Office
Post Office Box 2549
Fort Myers, Florida 33902-2549

Rick Scott
Governor

Jennifer Carroll
Lt. Governor

Herschel T. Vinyard Jr.
Secretary

VIA ELECTRONIC MAIL

In the Matter of an
Application for Permit by:

Permittee:

Florida Keys Aqueduct Authority
James C. Reynolds, P.E., Executive Director
1100 Kennedy Drive
Key West, Florida 33041-1239
jreynolds@fkaa.com

Permit Number: 295404-006-DWC/CM

Issued: April 14, 2011

Expires: April 13, 2016

Project: Upper Sugarloaf Key Wastewater Collection
System (**Gravity Sewer and Low Pressure Systems**)
(**Dryline**)

Connected to: Cudjoe Key WWTP

County: Monroe

NOTICE OF PERMIT ISSUANCE

Enclosed is Permit Number 295404-006-DWC **gravity sewer, low pressure and dryline** to construct a sewage collection/transmission system pursuant to Chapter 403, Florida Statutes (FS) and Florida Administrative Code (F.A.C.) Rules 62-4 and 62-604.

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, Florida Statutes, within 14 days of receipt of notice. 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, 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 persons listed below must be filed within 14 days of receipt of this written notice. Petitions filed by any persons other than those entitled to written notice under Section 120.60(3), Florida Statutes, must be filed within 14 days of publication of the notice or within 14 days of receipt of the written notice, whichever occurs first. Under Section 120.60(3), Florida Statutes, however, any person who has asked the Department for notice of agency action may file a petition within 14 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 within 14 days of receipt of notice shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, 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, Florida Administrative Code.

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

PERMITTEE: Florida Keys Aqueduct Authority

PERMIT NUMBER: 295404-006-DWC/CM

- (a) The name, address, and telephone number of each petitioner; the name, address, and telephone number of the petitioner's representative, if any; 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 is affected by the Department action;
- (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;
- (e) A statement of facts that the petitioner contends warrant reversal or modification of the Department action;
- (f) A concise statement of the ultimate facts alleged, as well as the rules and statutes which entitle the petitioner to relief; and
- (g) A statement of the relief sought by the petitioner, stating precisely the action that the petitioner wants the Department to take.

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.

Mediation under Section 120.573, Florida Statutes, is not available for this proceeding.

This permit action is final and effective on the date filed with the clerk of the Department unless a petition is filed in accordance with the above. Upon the timely filing of a petition this permit will not be effective until further order of the Department.

Any party to the permit has the right to seek judicial review of the permit action under Section 120.68, Florida Statutes, by the filing of a notice of appeal under Rules 9.110 and 9.190, Florida Rules of Appellate Procedure, with the clerk of the Department in the Office of General Counsel, Mail Station 35, 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 when this permit action is filed with the clerk of the Department.

Executed in Fort Myers, Florida

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION



Jon M. Iglehart
Director of
District Management

PERMITTEE: Florida Keys Aqueduct Authority

PERMIT NUMBER: 295404-006-DWC/CM

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 14, 2011 to the listed persons.

FILING AND ACKNOWLEDGMENT

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

Julio D. La Mesa

4/14/11

Clerk

Date

JMI/OJO/JLI/jl

Copies furnished to:

David Mathews, P.E. dmathews@mathewsconsultinginc.com

Ajaya Satyal, FDEP, Air Section, ajaya.satyal@dep.state.fl.us

Charles Emery, FDEP, Waste Management, charles.emery@dep.state.fl.us

Gus Rios, FDEP, Marathon, gus.rios@dep.state.fl.us



Florida Department of Environmental Protection

South District Office
Post Office Box 2549
Fort Myers, Florida 33902-2549

Rick Scott
Governor

Jennifer Carroll
Lt. Governor

Herschel T. Vinyard Jr.
Secretary

VIA ELECTRONIC MAIL

In the Matter of an
Application for Permit by:

Permittee:

Florida Keys Aqueduct Authority
James C. Reynolds, P.E., Executive Director
1100 Kennedy Drive
Key West, Florida 33041-1239
jreynolds@fkaa.com

Permit Number: 295404-006-DWC/CM

Issued: April 14, 2011

Expires: April 13, 2016

Project: Upper Sugarloaf Key Wastewater
Collection System (**Gravity Sewer and Low
Pressure**) (**Dryline**)

Connected to: Cudjoe Key WWTP

County: Monroe

This permit is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and Chapters 62-4 and 62-604, Florida Administrative Code (F.A.C.).

The above named permittee is hereby authorized to construct the facilities shown on the application and other documents on file with the Department and made a part hereof and specifically described as follows:

DESCRIPTION OF PROJECT: The construction of 4,710 LF of 8" PVC (SDR 26) gravity sanitary sewer, 18 sanitary manholes, 1 grinder pump station, 157 E/One simplex grinder pump stations, 13 E/One duplex grinder pump stations, 27,710 LF of 2" force main, 5,977 LF of 3" force main, and 4,737 LF of 4" force main, per application materials received March 8, 2011, with additional information received April 12, 2011. See permit condition number 7.

LOCATION OF PROJECT: Sections 25, Township 66S, Range 27E in Upper Sugarloaf Key, Monroe County, Florida.

IN ACCORDANCE WITH: The limitations, requirements and other conditions set forth in this permit.

PERMIT CONDITIONS:

1. This permit is subject to the general conditions of Rule 62-4.160, F.A.C., as applicable. This rule is available at the Department's Internet site at: <http://www.dep.state.fl.us/water/wastewater/rules.htm#domestic> [62-4.160, 5-1-03].
2. Upon completion of construction of the collection/transmission system project, and before placing the facilities into operation for any purpose other than testing for leaks or testing equipment operation, the permittee shall submit to the Department's South District Office at P.O. Box 2549, Fort Myers, FL 33902-2549 (by mail) or 2295 Victoria Avenue, Suite 364, Fort Myers, FL 33901 (by other delivery service) Form 62-604.300(8)(b), Request for Approval to Place a Domestic Wastewater Collection/Transmission System into Operation. This form is available at the Department's Internet site at: <http://www.dep.state.fl.us/water/wastewater/forms.htm> [62-604.700(2), 11-6-03].

PERMITTEE: Florida Keys Aqueduct Authority

PERMIT NUMBER: 295404-006-DWC/CM

3. The new or modified collection/transmission facilities shall not be placed into service until the Department clears the project for use [62-604.700(3), 11-6-03].

PERMIT CONDITIONS:

4. Permit revisions shall only be made in accordance with Rule 62-4.050(4)(s), F.A.C. Request for revisions shall be made to the Department in writing and shall include the appropriate fee. Revisions not covered under Rule 62-4.050(4)(s), F.A.C., shall require a new permit [62-604.600(8), 11-6-03].

5. Abnormal events shall be reported to the Department's South District Office in accordance with Rule 62-604.550, F.A.C. For unauthorized spills of wastewater in excess of 1000 gallons per incident, or where information indicates that public health or the environment may be endangered, oral reports shall be provided to the STATE WARNING POINT TOLL FREE NUMBER (800) 320-0519 as soon as practical, but no later than 24 hours from the time the permittee or other designee becomes aware of the circumstances. Unauthorized releases or spills less than 1000 gallons per incident are to be reported orally to the Department's South District Office at phone number (239)344-5600 within 24 hours from the time the permittee, or other designee becomes aware of the circumstances [62-604.550, 11-6-03].

6. The design and construction of the wastewater collection/transmission system shall be in accordance with provisions of Florida Administrative Code (F.A.C.) with particular attention to the applicable requirements of the manuals regarding alternative wastewater collection systems incorporated by reference by F.A.C. Rules 62-604.300(1), 62-604.300(5)(b) and (c).

7. This permit is for CONSTRUCTION ONLY of the collection/transmission system project. This permit shall be dryline until such time as the appropriate connection is made to the proposed transmission main and the Cudjoe Key WWTP. This permit does not authorize the connection of this collection/transmission system project to the designated wastewater treatment plant. This permit shall not be construed to infer that the clearance necessary for connection shall be granted.

SPECIFIC PERMIT CONDITIONS

1. All new wastewater collection/transmission systems and modifications of existing systems shall be located at least 100 feet from a public drinking water supply well.

2. Except as provided in Section 62-604.400(3), F.A.C., sewer pipes/force mains should cross under water mains.

3. For sewer crossings, all crossings shall be arranged so that the sewer pipe joints are equidistant as far as possible from the water main joints. At crossings, all vacuum sewer joints must maintain a minimum distance of 3 feet from water main joints. All gravity or pressure type sanitary sewers and wastewater force main joints shall maintain a minimum distance of 6 feet from water main joints.

4. Except as provided under 62-604.400(3), F.A.C., all sewers and force mains shall be laid at least 10 feet horizontally (outside to outside) from a water main and 3 feet minimum (outside to outside) from a reclaimed water pipe permitted under Part III of Chapter 62-610, F.A.C.

5. A vertical separation of at least 18 inches must be maintained when a sewer pipe crosses a water main, except as provided under Section 62-604.400(3), F.A.C.

6. When any existing asbestos cement (AC) pipes are replaced under this permit, the permittee shall do so in accordance with the applicable rules of Federal Asbestos Regulation and Florida DEP requirements. For specific requirements applicable to AC pipes, the permittee should contact the Air and Waste Management section managers prior to commencing any such activities at (239) 344-5600. Please be aware that a notification is required to be submitted to the Department for a regulated project.

7. The Department requires the operating authority of the sewer system to provide additional maintenance on gravity sewer lines that are less than the required 0.4% slope but equal or greater than 0.3% slope. This additional maintenance

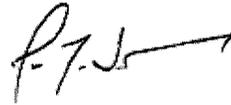
PERMITTEE: Florida Keys Aqueduct Authority

PERMIT NUMBER: 295404-006-DWC/CM

will be provided on a weekly basis and includes but not limited to inspection of the gravity sewer lines, manholes, and the cleaning or flushing of the system to prevent accumulation of solids.

Executed in Fort Myers, Florida

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION



Jon M. Iglehart
Director of
District Management

Date Signed: April 14, 2011

JMI/OJO/JLI/jl



Florida Department of Environmental Protection

South District Office
Post Office Box 2549
Fort Myers, Florida 33902-2549

Rick Scott
Governor

Jennifer Carroll
Lt. Governor

Herschel T. Vinyard Jr.
Secretary

VIA ELECTRONIC MAIL

In the Matter of an
Application for Permit by:

Permittee:

Florida Keys Aqueduct Authority
James C. Reynolds, P.E., Executive Director
1100 Kennedy Drive
Key West, Florida 33041-1239
jreynolds@fkaa.com

Permit Number: 295404-007-DWC/CM

Issued: April 14, 2011

Expires: April 13, 2016

Project: Summerland Key Wastewater Collection
System (**Gravity Sewer and Low Pressure Systems**)
(**Dryline**)

Connected to: Cudjoe Key WWTP

County: Monroe

NOTICE OF PERMIT ISSUANCE

Enclosed is Permit Number 295404-007-DWC **gravity sewer, low pressure and dryline** to construct a sewage collection/transmission system pursuant to Chapter 403, Florida Statutes (FS) and Florida Administrative Code (F.A.C.) Rules 62-4 and 62-604.

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, Florida Statutes, within 14 days of receipt of notice. 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, 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 persons listed below must be filed within 14 days of receipt of this written notice. Petitions filed by any persons other than those entitled to written notice under Section 120.60(3), Florida Statutes, must be filed within 14 days of publication of the notice or within 14 days of receipt of the written notice, whichever occurs first. Under Section 120.60(3), Florida Statutes, however, any person who has asked the Department for notice of agency action may file a petition within 14 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 within 14 days of receipt of notice shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, 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, Florida Administrative Code.

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

PERMITTEE: Florida Keys Aqueduct Authority

PERMIT NUMBER: 295404-007-DWC/CM

- (a) The name, address, and telephone number of each petitioner; the name, address, and telephone number of the petitioner's representative, if any; 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 is affected by the Department action;
- (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;
- (e) A statement of facts that the petitioner contends warrant reversal or modification of the Department action;
- (f) A concise statement of the ultimate facts alleged, as well as the rules and statutes which entitle the petitioner to relief; and
- (g) A statement of the relief sought by the petitioner, stating precisely the action that the petitioner wants the Department to take.

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.

Mediation under Section 120.573, Florida Statutes, is not available for this proceeding.

This permit action is final and effective on the date filed with the clerk of the Department unless a petition is filed in accordance with the above. Upon the timely filing of a petition this permit will not be effective until further order of the Department.

Any party to the permit has the right to seek judicial review of the permit action under Section 120.68, Florida Statutes, by the filing of a notice of appeal under Rules 9.110 and 9.190, Florida Rules of Appellate Procedure, with the clerk of the Department in the Office of General Counsel, Mail Station 35, 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 when this permit action is filed with the clerk of the Department.

Executed in Fort Myers, Florida

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION



Jon M. Iglehart
Director of
District Management

PERMITTEE: Florida Keys Aqueduct Authority

PERMIT NUMBER: 295404-007-DWC/CM

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 14, 2011 to the listed persons.

FILING AND ACKNOWLEDGMENT

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



4/14/11

Clerk

Date

JMI/OJO/JLI/jl

Copies furnished to:

David Mathews, P.E. dmathews@mathewsconsultinginc.com

Ajaya Satyal, FDEP, Air Section, ajaya.satyal@dep.state.fl.us

Charles Emery, FDEP, Waste Management, charles.emery@dep.state.fl.us

Gus Rios, FDEP, Marathon, gus.rios@dep.state.fl.us



Florida Department of Environmental Protection

South District Office
Post Office Box 2549
Fort Myers, Florida 33902-2549

Rick Scott
Governor

Jennifer Carroll
Lt. Governor

Herschel T. Vinyard Jr.
Secretary

VIA ELECTRONIC MAIL

In the Matter of an
Application for Permit by:

Permittee:

Florida Keys Aqueduct Authority
James C. Reynolds, P.E., Executive Director
1100 Kennedy Drive
Key West, Florida 33041-1239
jreynolds@fkaa.com

Permit Number: 295404-007-DWC/CM

Issued: April 14, 2011

Expires: April 13, 2016

Project: Summerland Key Wastewater Collection
System (**Gravity Sewer and Low Pressure Systems**)
(**Dryline**)

Connected to: Cudjoe Key WWTP

County: Monroe

This permit is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and Chapters 62-4 and 62-604, Florida Administrative Code (F.A.C.).

The above named permittee is hereby authorized to construct the facilities shown on the application and other documents on file with the Department and made a part hereof and specifically described as follows:

DESCRIPTION OF PROJECT: The construction of 30,920 LF of 8" PVC (SDR 26) gravity sanitary sewer, 103 sanitary manholes, 11 grinder pump stations, 133E/One simplex grinder pump stations, 28 E/One duplex grinder pump stations, 19,214 LF of 2" force main, 2,480 LF of 3" force main, 7,359 LF of 4" force main, and 7,474 LF of 6" force main, per application materials received March 8, 2011, with additional information received April 12, 2011. See permit condition number 7.

LOCATION OF PROJECT: Sections 35, 36, Township 66S, Range 28E in Summerland Key, Monroe County, Florida.

IN ACCORDANCE WITH: The limitations, requirements and other conditions set forth in this permit.

PERMIT CONDITIONS:

1. This permit is subject to the general conditions of Rule 62-4.160, F.A.C., as applicable. This rule is available at the Department's Internet site at: <http://www.dep.state.fl.us/water/wastewater/rules.htm#domestic> [62-4.160, 5-1-03].
2. Upon completion of construction of the collection/transmission system project, and before placing the facilities into operation for any purpose other than testing for leaks or testing equipment operation, the permittee shall submit to the Department's South District Office at P.O. Box 2549, Fort Myers, FL 33902-2549 (by mail) or 2295 Victoria Avenue, Suite 364, Fort Myers, FL 33901 (by other delivery service) Form 62-604.300(8)(b), Request for Approval to Place a Domestic Wastewater Collection/Transmission System into Operation. This form is available at the Department's Internet site at: <http://www.dep.state.fl.us/water/wastewater/forms.htm> [62-604.700(2), 11-6-03].

PERMITTEE: Florida Keys Aqueduct Authority

PERMIT NUMBER: 295404-007-DWC/CM

3. The new or modified collection/transmission facilities shall not be placed into service until the Department clears the project for use [62-604.700(3), 11-6-03].

PERMIT CONDITIONS:

4. Permit revisions shall only be made in accordance with Rule 62-4.050(4)(s), F.A.C. Request for revisions shall be made to the Department in writing and shall include the appropriate fee. Revisions not covered under Rule 62-4.050(4)(s), F.A.C., shall require a new permit [62-604.600(8), 11-6-03].

5. Abnormal events shall be reported to the Department's South District Office in accordance with Rule 62-604.550, F.A.C. For unauthorized spills of wastewater in excess of 1000 gallons per incident, or where information indicates that public health or the environment may be endangered, oral reports shall be provided to the STATE WARNING POINT TOLL FREE NUMBER (800) 320-0519 as soon as practical, but no later than 24 hours from the time the permittee or other designee becomes aware of the circumstances. Unauthorized releases or spills less than 1000 gallons per incident are to be reported orally to the Department's South District Office at phone number (239)344-5600 within 24 hours from the time the permittee, or other designee becomes aware of the circumstances [62-604.550, 11-6-03].

6. The design and construction of the wastewater collection/transmission system shall be in accordance with provisions of Florida Administrative Code (F.A.C.) with particular attention to the applicable requirements of the manuals regarding alternative wastewater collection systems incorporated by reference by F.A.C. Rules 62-604.300(1), 62-604.300(5)(b) and (c).

7. This permit is for CONSTRUCTION ONLY of the collection/transmission system project. This permit shall be dryline until such time as the appropriate connection is made to the proposed transmission main and the Cudjoe Key WWTP. This permit does not authorize the connection of this collection/transmission system project to the designated wastewater treatment plant. This permit shall not be construed to infer that the clearance necessary for connection shall be granted.

SPECIFIC PERMIT CONDITIONS

1. All new wastewater collection/transmission systems and modifications of existing systems shall be located at least 100 feet from a public drinking water supply well.

2. Except as provided in Section 62-604.400(3), F.A.C., sewer pipes/force mains should cross under water mains.

3. For sewer crossings, all crossings shall be arranged so that the sewer pipe joints are equidistant as far as possible from the water main joints. At crossings, all vacuum sewer joints must maintain a minimum distance of 3 feet from water main joints. All gravity or pressure type sanitary sewers and wastewater force main joints shall maintain a minimum distance of 6 feet from water main joints.

4. Except as provided under 62-604.400(3), F.A.C., all sewers and force mains shall be laid at least 10 feet horizontally (outside to outside) from a water main and 3 feet minimum (outside to outside) from a reclaimed water pipe permitted under Part III of Chapter 62-610, F.A.C.

5. A vertical separation of at least 18 inches must be maintained when a sewer pipe crosses a water main, except as provided under Section 62-604.400(3), F.A.C.

6. When any existing asbestos cement (AC) pipes are replaced under this permit, the permittee shall do so in accordance with the applicable rules of Federal Asbestos Regulation and Florida DEP requirements. For specific requirements applicable to AC pipes, the permittee should contact the Air and Waste Management section managers prior to commencing any such activities at (239) 344-5600. Please be aware that a notification is required to be submitted to the Department for a regulated project.

PERMITTEE: Florida Keys Aqueduct Authority

PERMIT NUMBER: 295404-007-DWC/CM

7. The Department requires the operating authority of the sewer system to provide additional maintenance on gravity sewer lines that are less than the required 0.4% slope but equal or greater than 0.3% slope. This additional maintenance will be provided on a weekly basis and includes but not limited to inspection of the gravity sewer lines, manholes, and the cleaning or flushing of the system to prevent accumulation of solids.

Executed in Fort Myers, Florida

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION



Jon M. Iglehart
Director of
District Management

Date Signed: April 14, 2011

JMI/OJO/JLI/jl



Florida Department of Environmental Protection

South District Office
Post Office Box 2549
Fort Myers, Florida 33902-2549

Rick Scott
Governor

Jennifer Carroll
Lt. Governor

Herschel T. Vinyard Jr.
Secretary

VIA ELECTRONIC MAIL

In the Matter of an
Application for Permit by:

Permittee:

Florida Keys Aqueduct Authority
James C. Reynolds, P.E., Executive Director
1100 Kennedy Drive
Key West, Florida 33041-1239
jreynolds@fkaa.com

Permit Number: 295404-008-DWC/CM

Issued: April 14, 2011

Expires: April 13, 2016

Project: Cudjoe Key Wastewater Collection System
(Gravity Sewer and Low Pressure Systems) (Dryline)

Connected to: Cudjoe Key WWTP

County: Monroe

NOTICE OF PERMIT ISSUANCE

Enclosed is Permit Number 295404-008-DWC **gravity sewer, low pressure and dryline** to construct a sewage collection/transmission system pursuant to Chapter 403, Florida Statutes (FS) and Florida Administrative Code (F.A.C.) Rules 62-4 and 62-604.

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, Florida Statutes, within 14 days of receipt of notice. 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, 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 persons listed below must be filed within 14 days of receipt of this written notice. Petitions filed by any persons other than those entitled to written notice under Section 120.60(3), Florida Statutes, must be filed within 14 days of publication of the notice or within 14 days of receipt of the written notice, whichever occurs first. Under Section 120.60(3), Florida Statutes, however, any person who has asked the Department for notice of agency action may file a petition within 14 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 within 14 days of receipt of notice shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, 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, Florida Administrative Code.

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

PERMITTEE: Florida Keys Aqueduct Authority

PERMIT NUMBER: 295404-008-DWC/CM

- (a) The name, address, and telephone number of each petitioner; the name, address, and telephone number of the petitioner's representative, if any; 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 is affected by the Department action;
- (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;
- (e) A statement of facts that the petitioner contends warrant reversal or modification of the Department action;
- (f) A concise statement of the ultimate facts alleged, as well as the rules and statutes which entitle the petitioner to relief; and
- (g) A statement of the relief sought by the petitioner, stating precisely the action that the petitioner wants the Department to take.

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.

Mediation under Section 120.573, Florida Statutes, is not available for this proceeding.

This permit action is final and effective on the date filed with the clerk of the Department unless a petition is filed in accordance with the above. Upon the timely filing of a petition this permit will not be effective until further order of the Department.

Any party to the permit has the right to seek judicial review of the permit action under Section 120.68, Florida Statutes, by the filing of a notice of appeal under Rules 9.110 and 9.190, Florida Rules of Appellate Procedure, with the clerk of the Department in the Office of General Counsel, Mail Station 35, 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 when this permit action is filed with the clerk of the Department.

Executed in Fort Myers, Florida

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION



Jon M. Iglehart
Director of
District Management

PERMITTEE: Florida Keys Aqueduct Authority

PERMIT NUMBER: 295404-008-DWC/CM

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 14, 2011 to the listed persons.

FILING AND ACKNOWLEDGMENT

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



4/14/11

Clerk

Date

JMI/OJO/JLI/jl

Copies furnished to:

David Mathews, P.E. dmathews@mathewsconsultinginc.com
Ajaya Satyal, FDEP, Air Section, ajaya.satyal@dep.state.fl.us
Charles Emery, FDEP, Waste Management, charles.emery@dep.state.fl.us
Gus Rios, FDEP, Marathon, gus.rios@dep.state.fl.us



Florida Department of Environmental Protection

South District Office
Post Office Box 2549
Fort Myers, Florida 33902-2549

Rick Scott
Governor

Jennifer Carroll
Lt. Governor

Herschel T. Vinyard Jr.
Secretary

VIA ELECTRONIC MAIL

In the Matter of an
Application for Permit by:

Permittee:

Florida Keys Aqueduct Authority
James C. Reynolds, P.E., Executive Director
1100 Kennedy Drive
Key West, Florida 33041-1239
jreynolds@fkaa.com

Permit Number: 295404-008-DWC/CM

Issued: April 14, 2011

Expires: April 13, 2016

Project: Cudjoe Key Wastewater Collection System
(Gravity Sewer and Low Pressure Systems)
(Dryline)

Connected to: Cudjoe Key WWTP

County: Monroe

This permit is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and Chapters 62-4 and 62-604, Florida Administrative Code (F.A.C).

The above named permittee is hereby authorized to construct the facilities shown on the application and other documents on file with the Department and made a part hereof and specifically described as follows:

DESCRIPTION OF PROJECT: The construction of 36,590 LF of 8" PVC (SDR 26) gravity sanitary sewer, 139 sanitary manholes, 14 grinder pump stations, 291 E/One simplex grinder pump stations, 15 E/One duplex grinder pump stations, 31,267 LF of 2" force main, 15,342 LF of 3" force main, 7,037 LF of 4" force main, 1,298 LF of 6" force main, and 2,136 LF of 8" force main, per application materials received March 8, 2011, with additional information received April 12, 2011. See permit condition number 7.

LOCATION OF PROJECT: Sections 29-33, Township 66S, Range 28E in Cudjoe Key, Monroe County, Florida.

IN ACCORDANCE WITH: The limitations, requirements and other conditions set forth in this permit.

PERMIT CONDITIONS:

1. This permit is subject to the general conditions of Rule 62-4.160, F.A.C., as applicable. This rule is available at the Department's Internet site at: <http://www.dep.state.fl.us/water/wastewater/rules.htm#domestic> [62-4.160, 5-1-03].
2. Upon completion of construction of the collection/transmission system project, and before placing the facilities into operation for any purpose other than testing for leaks or testing equipment operation, the permittee shall submit to the Department's South District Office at P.O. Box 2549, Fort Myers, FL 33902-2549 (by mail) or 2295 Victoria Avenue, Suite 364, Fort Myers, FL 33901 (by other delivery service) Form 62-604.300(8)(b), Request for Approval to Place a Domestic Wastewater Collection/Transmission System into Operation. This form is available at the Department's Internet site at: <http://www.dep.state.fl.us/water/wastewater/forms.htm> [62-604.700(2), 11-6-03].
3. The new or modified collection/transmission facilities shall not be placed into service until the Department clears the project for use [62-604.700(3), 11-6-03].

PERMIT CONDITIONS:

4. Permit revisions shall only be made in accordance with Rule 62-4.050(4)(s), F.A.C. Request for revisions shall be made to the Department in writing and shall include the appropriate fee. Revisions not covered under Rule 62-4.050(4)(s), F.A.C., shall require a new permit [62-604.600(8), 11-6-03].

5. Abnormal events shall be reported to the Department's South District Office in accordance with Rule 62-604.550, F.A.C. For unauthorized spills of wastewater in excess of 1000 gallons per incident, or where information indicates that public health or the environment may be endangered, oral reports shall be provided to the STATE WARNING POINT TOLL FREE NUMBER (800) 320-0519 as soon as practical, but no later than 24 hours from the time the permittee or other designee becomes aware of the circumstances. Unauthorized releases or spills less than 1000 gallons per incident are to be reported orally to the Department's South District Office at phone number (239)344-5600 within 24 hours from the time the permittee, or other designee becomes aware of the circumstances [62-604.550, 11-6-03].

6. The design and construction of the wastewater collection/transmission system shall be in accordance with provisions of Florida Administrative Code (F.A.C.) with particular attention to the applicable requirements of the manuals regarding alternative wastewater collection systems incorporated by reference by F.A.C. Rules 62-604.300(1), 62-604.300(5)(b) and (c).

7. This permit is for CONSTRUCTION ONLY of the collection/transmission system project. This permit shall be dryline until such time as the appropriate connection is made to the proposed transmission main and the Cudjoe Key WWTP. This permit does not authorize the connection of this collection/transmission system project to the designated wastewater treatment plant. This permit shall not be construed to infer that the clearance necessary for connection shall be granted.

SPECIFIC PERMIT CONDITIONS

1. All new wastewater collection/transmission systems and modifications of existing systems shall be located at least 100 feet from a public drinking water supply well.

2. Except as provided in Section 62-604.400(3), F.A.C., sewer pipes/force mains should cross under water mains.

3. For sewer crossings, all crossings shall be arranged so that the sewer pipe joints are equidistant as far as possible from the water main joints. At crossings, all vacuum sewer joints must maintain a minimum distance of 3 feet from water main joints. All gravity or pressure type sanitary sewers and wastewater force main joints shall maintain a minimum distance of 6 feet from water main joints.

4. Except as provided under 62-604.400(3), F.A.C., all sewers and force mains shall be laid at least 10 feet horizontally (outside to outside) from a water main and 3 feet minimum (outside to outside) from a reclaimed water pipe permitted under Part III of Chapter 62-610, F.A.C.

5. A vertical separation of at least 18 inches must be maintained when a sewer pipe crosses a water main, except as provided under Section 62-604.400(3), F.A.C.

6. When any existing asbestos cement (AC) pipes are replaced under this permit, the permittee shall do so in accordance with the applicable rules of Federal Asbestos Regulation and Florida DEP requirements. For specific requirements applicable to AC pipes, the permittee should contact the Air and Waste Management section managers prior to commencing any such activities at (239) 344-5600. Please be aware that a notification is required to be submitted to the Department for a regulated project.

7. The Department requires the operating authority of the sewer system to provide additional maintenance on gravity sewer lines that are less than the required 0.4% slope but equal or greater than 0.3% slope. This additional maintenance will be provided on a weekly basis and includes but not limited to inspection of the gravity sewer lines, manholes, and the cleaning or flushing of the system to prevent accumulation of solids.

PERMITTEE: Florida Keys Aqueduct Authority

PERMIT NUMBER: 295404-008-DWC/CM

Executed in Fort Myers, Florida

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION



Jon M. Iglehart
Director of
District Management

Date Signed: April 14, 2011

JMI/OJO/JLI/jl

UTILITY PERMIT

2012 H 692 18

PERMIT NO.: 2012-H-692-18	SECTION NO.: 90020	STATE ROAD 5	COUNTY Monroe
FDOT construction is proposed or underway.		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Is this work related to an approved Utility Work Schedule?		<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
PERMITTEE: Florida Keys Aqueduct Authority		Financial Project ID: 430837-1-52-1	
ADDRESS: 1100 Kennedy Drive		TELEPHONE NUMBER: (305) 296 - 2454	
CITY/STATE/ZIP: Key West, FL 33041-1239			
The above PERMITTEE requests permission from the State of Florida Department of Transportation, hereinafter called the FDOT, to construct, operate and maintain the following: Approximately 4.9 miles of sanitary sewer force main from 6-inches to 12-inches diameter. Includes valves, ARV's, and flushing stations. Installation via open trench (PVC), directional drill (HDPE), and sliplining (HDPE) inside of abandoned 18-inch steel water main. Includes two bridge crossings (DIP) at Bow and Kemp Channels. Pipe will be attached below the deck of each bridge.			
FROM: MM, Sta 579+00		TO: MM, Sta 837+00	
Submitted for the PERMITTEE by: Name and Company (Typed or Printed Legibly)	Contact Information Address/Telephone/E-Mail (if applicable)	Signature	Date
Richard Morrison, PE, CH2M HILL	3011 SW Williston Road, Gainesville, FL 32608 352-384-7133, rmorris5@ch2m.com		8/7/12

- The Permittee declares that prior to filing this application, the location of all existing utilities that it owns or has an interest in, both aerial and underground, are accurately shown on the plans and a letter of notification was mailed on August 7, 2012 to the following utilities known to be involved or potentially impacted in the area of the proposed installation:
AT&T, Comcast, Keys Energy, Florid Keys Aqueduct Authority
- The local Maintenance or Resident Engineer, hereafter referred to as the FDOT Engineer, shall be notified a minimum of forty eight (48) hours in advance prior to starting work and again immediately upon completion of work. The FDOT's Engineer is Jordan Salinger located at 3100 Overseas Hwy, Marathon, FL 33050, Telephone Number 305-284-4820. The Permittee's employee responsible for MOT is Don Hubbs (FKAA), Telephone Number 305-295-2142. (This name may be provided at the time of the forty eight (48) hour advance-notice prior to starting work).
- All work, materials, and equipment shall be subject to inspection and approval by the FDOT Engineer.
- All plans and installations shall conform to the requirements of the FDOT's UAM in effect as of the date this permit is approved by FDOT, and shall be made a part of this permit. This provision shall not limit the authority of the FDOT under Paragraph 8 of this Permit.
- This Permittee shall commence actual construction in good faith within 60 days after issuance of permit, and shall be completed within 305 days after the permitted work has begun. If the beginning date is more than sixty (60) days from the date of permit approval, the Permittee must review the permit with the FDOT Engineer to make sure no changes have occurred to the Transportation Facility that would affect the permitted construction.
- The construction and maintenance of such utility shall not interfere with the property and rights of a prior Permittee.
- It is expressly stipulated that this permit is a license for permissive use only and that the placing of utilities upon public property pursuant to this permit shall not operate to create or vest any property right in said holder, except as provided in executed subordination and Railroad Utility Agreements.
- Pursuant to Section 337.403, Florida Statutes, any utility placed upon, under, over, or along any public road or publicly owned rail corridor that is found by FDOT to be unreasonably interfering in any way with the convenient, safe, or continuous use, or maintenance, improvement, extension, or expansion, of such public road or publicly owned rail corridor shall, upon thirty (30) days written notice to the utility or its agent by FDOT, be removed or relocated by such utility at its own expense except as provided in Section 337.403(1), Florida Statutes, and except for reimbursement rights set forth in previously executed subordination and Railroad Utility Agreements, and shall apply to all successors and assigns for the permitted facility.
- It is agreed that in the event the relocation of said utilities are scheduled to be done simultaneously with the FDOT's construction work, the Permittee will coordinate with the FDOT before proceeding and shall cooperate with the FDOT's contractor to arrange the sequence of work so as not to delay the work of the FDOT's contractor, defend any legal claims of the FDOT's contractor due to delays caused by the Permittee's failure to comply with the approved schedule, and shall comply with all provisions of the law and the FDOT's current UAM. The Permittee shall not be responsible for delay beyond its control.
- In the case of non-compliance with the FDOT's requirements in effect as of the date this permit is approved, this permit is void and the facility will have to be brought into compliance or removed from the RW at no cost to the FDOT, except for reimbursement rights set forth in previously executed subordination and Railroad Utility Agreements. This provision shall not limit the authority of the FDOT under Paragraph 8 of this Permit.
- It is understood and agreed that the rights and privileges herein set out are granted only to the extent of the State's right, title and interest in the land to be entered upon and used by the Permittee, and the Permittee will, at all times, and to the extent permitted by law, assume all risk of and indemnify, defend, and save harmless the State of Florida and the FDOT from and against any and all loss, damage, cost or expense arising in any manner on account of the exercise or attempted exercises by said Permittee of the aforesaid rights and privileges.
- During construction, all safety regulations of the FDOT shall be observed and the Permittee must take measures, including placing and the display of safety devices that may be necessary in order to safely conduct the public through the project area in accordance with the Federal MUTCD, as amended by the UAM.
- Should the Permittee be desirous of keeping its utilities in place and out of service, the Permittee, by execution of this permit acknowledges its present and continuing ownership of its utilities located between _____ and _____ within the FDOT's RW as set forth above. Whenever the Permittee removes its facilities, it shall be at the Permittee's sole cost and expense. The Permittee, at its sole expense, shall promptly remove said out of service utilities whenever the FDOT determines said removal is in the public interest.
- In the event contaminated soil is encountered by the Permittee or anyone within the permitted construction limits, the Permittee shall immediately cease work and notify the FDOT. The FDOT shall notify the Permittee of any suspension or revocation of the permit to allow contamination assessment and remediation. Said suspension or revocation shall remain in effect until otherwise notified by FDOT.
- For any excavation, construction, maintenance, or support activities performed by or on behalf of the FDOT, within its RW, the Permittee may be required by the FDOT or its agents to perform the following activities with respect to a Permittee's facilities: physically expose or direct exposure of underground facilities,

2012 H 692 18 Page 1 of 2

TRANSFERRED SERVICES
RECEIVED BY:
AUG 17 2012

PERMITS OFFICE
MONROE COUNTY D6

UTILITY PERMIT

- provide any necessary support to facilities and/or cover, de-energize or alter aerial facilities as deemed necessary for protection and safety.
- 16. Pursuant to Section 337.401(2), Florida Statutes, the permit shall require the permit holder to be responsible for damage resulting from the issuance of the permit. The FDOT may initiate injunctive proceedings as provided in s.120.69 to enforce provisions of this subsection or any rule or order issued or entered into pursuant thereto.
- 17. Pursuant to Section 337.402, Florida Statutes, when any public road or publicly owned rail corridor is damaged or impaired in any way because of the installation, inspection, or repair of a utility located on such road or publicly owned rail corridor, the owner of the utility shall, at his or her own expense, restore the road or publicly owned rail corridor to its original condition before such damage. If the owner fails to make such restoration, the authority is authorized to do so and charge the cost thereof against the owner under the provisions of s.337.404.
- 18. The Permittee shall comply with all provisions of Chapter 556, Florida Statutes, Underground Facilities Damage Prevention and Safety Act.
- 19. Special FDOT instructions: _____

2012 H 692 18

SEE ATTACHMENT(S)

It is understood and agreed that commencement by the Permittee is acknowledgment and acceptance of the binding nature of all the above listed permit conditions and special instructions.

- 20. By receipt of this permit, the Permittee acknowledges responsibility to comply with Section 119.07, Florida Statutes.
- 21. By the below signature, the Permittee hereby represents that no change to the FDOT's standard Utility Permit form, as incorporated by reference into Rule 14-46.001, for this Utility Permit has been made which has not been previously called to the attention of the FDOT (and signified to by checking the appropriate box below) by a separate attached written document showing all changes and the written and dated approval of the FDOT Engineer. Are there attachments reflecting change/s to the standard form? NO YES If Yes, _____ pages are attached.

PERMITTEE	Kirk Zueich - Executive Director	by SIGNATURE	<i>[Signature]</i>	DATE:	8/14/12
	Name & Title of Authorized Permittee or Agent (Typed or Printed Legibly)		Thomas Walker, Director of Engineering		
APPROVED BY:	<i>[Signature]</i>			ISSUE DATE:	12/13/12
	District Maintenance Engineer or Designee				

UTILITY PERMIT FINAL INSPECTION CERTIFICATION

DATE:	
DATE WORK STARTED:	
DATE WORK COMPLETED:	
INSPECTED BY:	
	(Permittee or Agent)
CHANGE APPROVED BY:	
	District Maintenance Engineer or Designee
	DATE:

I the undersigned Permittee do hereby CERTIFY that the utility construction approved by the above numbered permit was inspected and installed in accordance with the approved plans made a part of this permit and in accordance with the FDOT's current UAM. All plan changes have been approved by the FDOT's Engineer and are attached to this permit. I also certify that the work area has been left in as good or better condition than when the work was begun.

PERMITTEE:	SIGNATURE:	DATE:
Name & Title of Authorized Permittee or Agent (Typed or Printed Legibly)		

CC: District Permit Office
Permittee

2012 H 692 18

TRANSFIELD SERVICES
RECEIVED BY: _____

AUG 17 2012

PERMITS OFFICE
MONROE COUNTY D6

Special Provisions for Utility Permit # 2012-H-692-18
Cudjoe Regional Wastewater System (MM20-25)
Section: 90020, State Road 5 (U.S. 1), MP 15.337-20.0

1. Coordination of a pre-construction meeting (referencing this permit number) is required at a minimum of fourteen (14) working days prior to beginning work within the Florida Department of Transportation (FDOT) Right-of-Way. Please contact Jordan Salinger by telephone at (305) 289-4360 or by e-mail at salingerj@transfieldservices.com. Notification must be provided to the above-mentioned representative at least forty-eight (48) hours prior to commencement of work.
2. All lane closure requests should be submitted by the Permittee at the Lane Closure Information System website (<http://fdotlcis.com/>) at a minimum of fourteen (14) working days prior to beginning work within the FDOT right-of-way.

Lane Closure Requests will not be reviewed until a copy of the pre-construction meeting agenda and minutes have been provided to Jordan Salinger at salingerj@transfieldservices.com or at Transfield Services at 3100 Overseas Highway in Marathon, FL (33070).

3. All requests to extend an Approved Lane Closure should also be submitted at the above website a minimum of fourteen (14) working days prior to the End Date or Expiration of the Approved Lane Closure Permit.
4. **All permitted work must be in accordance to the *FDOT Utility Accommodation Manual (current edition)* and the *FDOT Standard Specifications for Road and Bridge Construction, (current edition)*.**
5. Working hours within the State Right-of-Way shall be from 9:00 AM to 4:00 PM or as directed by the Department Representative prior to commencement of work. There shall be no lane closure on weekends, Holidays, and Special Events without prior written approval.
6. The Department reserves the right to access any portion of the State Right-of-Way. Department Representative(s) reserve the right to increase or decrease the approved time frames.
7. The Permittee shall provide and maintain safe temporary access to all adjacent properties at all times and shall maintain accommodations for intersecting and crossing traffic within the construction's zone. No road or street crossing shall be blocked or unduly restricted as determined by the FDOT Department Representative. All accesses shall remain open at all times.
8. The use and approval of steel plates will be at the discretion of the Department Representative. All plates must be secured in place with pins and compacted asphalt.
9. The Permittee will ensure that no unsafe area(s) for pedestrians will remain during any time of the construction. Pedestrian control for closure of roads and sidewalks shall be in accordance with the *FDOT Design Standards (current edition), Index Series 600*.
10. A copy of the Approved Permit, Approved Plans and Approved Lane Closure(s) will be kept on the job site at all times during the permitted work.
11. Validity of this permit is contingent upon Permittee obtaining required permits from all other agencies involved.
12. Permittee is cautioned that utilities may be located within the construction area.
13. Several potentially contaminated sites located within a 500 foot radius of the project corridor have been identified within the project areas. The Permittee should assure that any actions carried out are in

2012 H 692 18 ▲

Special Provisions for Utility Permit # 2012-H-692-18
Cudjoe Regional Wastewater System (MM20-25)
Section: 90020, State Road 5 (U.S. 1), MP 15.337-20.0

accordance with all environmental regulatory requirements. The following protocol should be implemented:

- a) The Permittee shall be required to obtain a dewatering permit from FDEP and SFWMD to avoid potential contamination plume exacerbation and determine proper groundwater management associated with such site(s).
- b) Documentation of the dewatering activities shall be required. Water generated from the dewatering operations at these locations shall be properly disposed and/or treated to meet local, state and federal discharge standards.

In the event groundwater contamination exacerbation occurs as result of the dewatering activities, the Permittee shall be responsible for all costs associated with the remediation activities as required by all applicable environmental regulatory agencies.

- c) If soil or groundwater contamination is identified during excavation and/or dewatering, the applicant is to contact the Assistant Contamination Impact Coordinator at 305-470-5138 office, 305-986-8641 cell phone, (via email maria.salgado@dot.state.fl.us) and inform her of the field assessment results.
 - d) Provide the Department copies of contamination-related deliverables submitted to environmental regulatory agencies. The reports are to be submitted to the District Contamination Impact Coordinator at 1000 NW 11th Avenue, Miami, FL. 33172-5800 (Room #6109).
14. Install tree protection, per FDOT Design Standard Index 544, at the drip line of trees when work comes within 5' of tree drip lines. Any excavation that occurs under the drip line of any tree must first have the roots pruned at the direction of a Certified Arborist. Should work damage any existing, non-invasive vegetation, mitigation will be required, as per FDOT Utility Accommodation Manual (current edition).
 15. Ensure appropriate erosion control devices are in place before work begins and are used throughout the project.
 16. Any dewatering activity requires a dewatering permit from the State of Florida. Offsite dewatering discharges must be free of turbidity.
 17. ***The contractor is required to locate all slab reinforcement prior to drilling by utilizing a non-destructive method.***
 18. ***In the event that the roadway pavement is damaged, it shall be restored in full lane to match or exceed existing conditions and in accordance with FDOT Design Standards (current edition) and Standard Specifications for Road and Bridge Construction (current edition).***
 19. ***All disturbed landscaping shall be restored to match or exceed existing conditions once the job is complete. Restoration shall be done in accordance with the Department's design standards and specifications.***
 20. ***All final restoration shall be coordinated with the Department Representative. All portions of the State right-of-way shall be restored within thirty (30) days upon completion of the permitted installation.***

2012 H 692 18 *

Special Provisions for Utility Permit # 2012-H-692-18
Cudjoe Regional Wastewater System (MM20-25)
Section: 90020, State Road 5 (U.S. 1), MP 15.337-20.0

21. If FDOT roadway improvements have commenced or been completed prior to the installation of the work approved under this permit, this permit shall become void at the discretion of the Department Representative.
22. Beginning any work within the FDOT Right-of-Way associated with this permit constitutes acceptance of these conditions.
23. **All required documents including pre-construction meeting agenda and minutes, density tests, design -mix, and as-builts along with an approved final inspection will be required to close this permit.**

2012 H 692 18