

Facility Name: Key West Resort Utility  
Inspection Date: 9/29/2014

10.5 Observation: *Reuse* – All plastic reclaimed water piping, pipelines, valves, outlets, and other appurtenances were color-coded Pantone Purple.

11. Biosolids/Sludge: RATING – IN COMPLIANCE

11.1 Observation: *General* – Residuals were being disposed of in accordance with the permit.

12. Groundwater Quality: RATING – NOT APPLICABLE

12.1 Observation: No observations were recorded.

13. SSO Survey: RATING – NOT EVALUATED

13.1 Observation: No observations were recorded.

14. Other: RATING – NOT APPLICABLE

14.1 Observation: No observations were recorded.



**FLORIDA DEPARTMENT OF  
ENVIRONMENTAL PROTECTION**

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

RICK SCOTT  
GOVERNOR

CARLOS LOPEZ-CANTERA  
L.T. GOVERNOR

HERSCHEL T. VINYARD JR.  
SECRETARY

*Sent Via Electronic Mail*

In the Matter of an  
Application for Permit by:

Key West Resort Utilities Corporation  
Christopher Johnson, President  
6630 Front Street  
Key West, Florida 33040  
[ChrisKW@bellsouth.net](mailto:ChrisKW@bellsouth.net)

**Monroe County - DW**  
File Number FLA014951-012-DW1P  
Key West Resort WWTP

**INTENT TO ISSUE**

The Department of Environmental Protection gives notice of its intent to issue a permit for the proposed project as detailed in the application specified above, for the reasons stated below.

The applicant, Key West Resort Utilities Corporation., applied on April 15, 2014, to the Department of Environmental Protection for a permit to:

**Operate** an existing 0.499 million gallons per day (MGD) annual average daily flow (AADF) extended aeration process domestic wastewater treatment plant (WWTP) consisting of: dual treatment trains with design flows of 0.249 MGD and 0.250 MGD which are piped together to allow the facility to operate as a single unit. Collection system influent flows to a splitter box which divides the flow to the separate treatment trains. Each train consists of: a bar screen, an aeration basin, an anoxic tank, a re-aeration basin, a clarifier, a sand filter and dual chlorine contact chambers (CCC). There are three (3) aerobic digesters; one integrated into each of the treatment trains and a stand-alone digester. Disinfection is provided by chlorine gas.

**Construct** a new 0.350 MGD AADF treatment train to increase the existing capacity to 0.849 MGD, consisting of: a 90 foot diameter tank that will consist of influent screening, a 105,554 gallon influent equalization tank, a 163,000 gallon aeration chamber, a 154,725 gallon post-anoxic chamber, a 32,525 gallon re-aeration zone, 112,602 gallon clarifier, and a 317,950 gallon digester. Effluent from the new plant will pass through proposed expanded sand filters and the existing chlorine contact chambers shared by the existing treatment trains. The plan also includes the addition of a dual influent screen on the existing plant as well as disposal to two new injection wells. Disinfection is to be provided by liquid chlorine. The existing treatment facility will continue with normal operation during construction.

The existing WWTP and the proposed 0.350 MGD treatment train has and will be modified to meet the advanced wastewater treatment (AWT) standards of §403.086(10), F.S. The extended aeration process will be switched to the AWT nutrient removal system prior to January 01, 2016. The changes to AWT include the addition of an alkalinity control system, a carbon injection system, an alum injection system, along with modifying the mixing and aeration at different phases of the treatment process.

The facility is located at latitude 24°34'2.4058" N, longitude 81°44'7.186" W on 6630 Front St., Stock Island, Key West, Florida 33045 in Monroe County.

PERMITTEE: Key West Resort Utilities, Corp.  
FACILITY: Key West Resort WWTP

PERMIT NUMBER: INTENT  
PA FILE NUMBER: INTENT

The Department has permitting jurisdiction under Chapter 403, Florida Statutes, and applicable rules of the Florida Administrative Code. The project is not exempt from permitting procedures. The Department has determined that a wastewater permit is required for the proposed work.

Based upon the application and supplemental information, the Department has determined that the applicant has provided reasonable assurance that the above described wastewater project complies with the applicable provisions of Chapter 403 of the Florida Statutes and Title 62 of the Florida Administrative Code.

Under Section 403.815, Florida Statutes, and Rule 62-110.106, Florida Administrative Code, you (the applicant) are required to publish at your own expense the enclosed Notice of Intent to Issue Permit. The notice must be published one time only within 30 days of receipt of this intent to issue in the legal ad section of a newspaper of general circulation in the area affected. For the purpose of this rule, "publication in a newspaper of general circulation in the area affected" means publication in a newspaper meeting the requirements of Sections 50.011 and 50.031, Florida Statutes, in the county where the activity is to take place. Where there is more than one newspaper of general circulation in the county, the newspaper used should be one with significant circulation in the area that may be affected by the permit. If you are uncertain that a newspaper meets these requirements, please contact the Department at the address or telephone number listed below. The applicant must provide proof of publication to the Department's South District Office, 2295 Victoria Ave, Suite 364, Ft. Myers, Florida 33901-3875, within two weeks of publication. Failure to publish the notice and provide proof of publication within the allotted time may result in the denial of the permit under Rule 62-110.106(11), Florida Administrative Code.

The Department will issue the permit with the attached conditions unless a timely petition for an administrative hearing is filed under Sections 120.569 and 120.57, Florida Statutes, within fourteen 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.

Under Rule 62-110.106(4), Florida Administrative Code, a person may request an extension of the time for filing a petition for an administrative hearing. The request must be filed (received by the Clerk) in the Office of General Counsel before the end of the time period for filing a petition for an administrative hearing.

Petitions by the applicant or any of the persons listed below must be filed within fourteen days of receipt of this written notice. Petitions filed by any persons other than those entitled to written notice under Section 120.60(3), Florida Statutes, must be filed within fourteen days of publication of the notice or within fourteen days of receipt of the written notice, whichever occurs first. Section 120.60(3), Florida Statutes, however, also allows that any person who has asked the Department in writing for notice of agency action may file a petition within fourteen days of receipt of such notice, regardless of the date of publication.

The petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. The failure of any person to file a petition or request for an extension of time within fourteen 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.

PERMITTEE: Key West Resort Utilities, Corp.  
FACILITY: Key West Resort WWTP

PERMIT NUMBER: INTENT  
PA FILE NUMBER: INTENT

A petition that disputes the material facts on which the Department's action is based must contain the following information, as indicated in Rule 28-106.201, Florida Administrative Code:

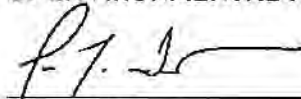
- (a) The name and address of each agency affected and each agency's file or identification number, if known;
- (b) The name, address, any e-mail address, any facsimile number, and telephone number of the petitioner, if the petitioner is not represented by an attorney or a qualified representative; the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the determination;
- (c) A statement of when and how the petitioner received notice of the Department's decision;
- (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;
- (e) A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the Department's proposed action;
- (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the Department's proposed action, including an explanation of how the alleged facts relate to the specific rules or statutes; and
- (g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the Department to take with respect to the Department's proposed action.

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.

Executed in Fort Myers, Florida

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL PROTECTION



Jon M. Iglehart  
Director of District Management

DATE: June 23, 2014

JMI/BJS/se

PERMITTEE: Key West Resort Utilities, Corp.  
FACILITY: Key West Resort WWTP

PERMIT NUMBER: INTENT  
PA FILE NUMBER: INTENT

#### FILING AND ACKNOWLEDGMENT

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

#### CERTIFICATE OF SERVICE

The undersigned hereby certifies that this INTENT TO ISSUE and all copies were mailed or emailed before the close of business on June 23, 2014, to the listed persons.

  
\_\_\_\_\_  
Name

June 23, 2014  
Date

Copies furnished to:

Ed Castle, P.E., [edrcastle@mc.com](mailto:edrcastle@mc.com)  
Deanna Newburg, FDEP  
Barbara Skates, FDEP  
Gus Rios, FDEP  
Devon Villareal, FDEP

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
NOTICE OF INTENT TO ISSUE PERMIT

The Department of Environmental Protection gives notice of its intent to issue a permit to Key West Resort Utilities Corporation., Christopher Johnson, President, 6630 Front Street, Key West, Florida 33040 to:

**Operate** an existing 0.499 million gallons per day (MGD) annual average daily flow (AADF) extended aeration process domestic wastewater treatment plant (WWTP). Disinfection is provided by chlorine gas.

**Construct** a new 0.350 MGD AADF treatment train to increase the existing capacity to 0.849 MGD. The plan also includes the addition of a dual influent screen on the existing plant as well as disposal to two new injection wells. Disinfection is to be provided by liquid chlorine. The existing treatment facility will continue with normal operation during construction.

The existing WWTP and the proposed 0.350 MGD treatment train has and will be modified to meet the 5-5-3-1 advanced wastewater treatment (AWT) standards requirement of Section 403.086(10), F.S. The extended aeration process will be switched to the AWT nutrient removal system prior to January 01, 2016. The changes to AWT include the addition of an alkalinity control system, a carbon injection system, an alum injection system, along with modifying the mixing and aeration at different phases of the treatment process.

The facility is located at latitude 24°34'2.4058" N, longitude 81°44'7.186" W on 6630 Front St., Stock Island, Key West, Florida 33045 in Monroe County.

The intent to issue and application file are available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at the Department's South District Office, 2295 Victoria Ave, Suite 364, Ft. Myers, Florida 33901-3875, at phone number (239)344-5600.

The Department will issue the permit with the attached conditions unless a timely petition for an administrative hearing is filed under Sections 120.569 and 120.57, Florida Statutes, within fourteen 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.

Under Rule 62-110.106(4), Florida Administrative Code, a person may request an extension of the time for filing a petition for an administrative hearing. The request must be filed (received by the Clerk) in the Office of General Counsel before the end of the time period for filing a petition for an administrative hearing.

Petitions filed by any persons other than those entitled to written notice under Section 120.60(3), Florida Statutes, must be filed within fourteen days of publication of the notice or within fourteen days of receipt of the written notice, whichever occurs first. Section 120.60(3), Florida Statutes, however, also allows that any person who has asked the Department in writing for notice of agency action may file a petition within fourteen days of receipt of such notice, regardless of the date of publication.

The petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. The failure of any person to file a petition or request for an extension of time within fourteen 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, as indicated in Rule 28-106.201, Florida Administrative Code:

- (a) The name and address of each agency affected and each agency's file or identification number, if known;
- (b) The name, address, any e-mail address, any facsimile number, and telephone number of the petitioner, if the petitioner is not represented by an attorney or a qualified representative; the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the determination;
- (c) A statement of when and how the petitioner received notice of the Department's decision;
- (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;
- (e) A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the Department's proposed action;
- (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the Department's proposed action, including an explanation of how the alleged facts relate to the specific rules or statutes; and
- (g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the Department to take with respect to the Department's proposed action.

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.



**FLORIDA DEPARTMENT OF  
ENVIRONMENTAL PROTECTION**

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

Docket No. 150071-SU  
Engineering MFRs  
Exhibit CAJ-2, Page 197 of 346

RICK SCOTT  
GOVERNOR

CARLOS LOPEZ-CANTERA  
L.T. GOVERNOR

HERSCHEL T. VINYARD JR.  
SECRETARY

**STATE OF FLORIDA  
DOMESTIC WASTEWATER FACILITY PERMIT**

*Sent Via Electronic Mail*

**PERMITTEE:**

Key West Resort Utilities Corporation

**RESPONSIBLE OFFICIAL:**

Christopher Johnson, President  
6630 Front Street  
Key West, Florida 33040  
(305) 289-4161  
[ChrisKW@bellsouth.net](mailto:ChrisKW@bellsouth.net)

**PERMIT NUMBER:** FLA014951

**FILE NUMBER:** INTENT

**DATE OF MODIFICATION:** Intent

**EXPIRATION DATE:** February 19, 2017

**FACILITY:**

Key West Resort WWTP  
6630 Front St., Stock Island  
Key West, FL 33045  
Monroe County  
Latitude: 24°34' 2.4058" N      Longitude: 81°44' .7186" 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 operate the facilities in accordance with the documents attached hereto and specifically described as follows:

**WASTEWATER TREATMENT:**

**Operate** an existing 0.499 million gallons per day (MGD) annual average daily flow (AADF) extended aeration process domestic wastewater treatment plant (WWTP) consisting of: dual treatment trains with design flows of 0.249 MGD and 0.250 MGD which are piped together to allow the facility to operate as a single unit. Collection system influent flows to a splitter box which divides the flow to the separate treatment trains. Each train consists of: a bar screen, an aeration basin, an anoxic tank, a re-aeration basin, a clarifier, a sand filter and dual chlorine contact chambers (CCC). There are three (3) aerobic digesters: one integrated into each of the treatment trains and a stand-alone digester. Disinfection is provided by chlorine gas.

**Construct** a new 0.350 MGD AADF treatment train to increase the existing capacity to 0.849 MGD, consisting of: a 90 foot diameter tank that will consist of influent screening, a 105,554 gallon influent equalization tank, a 163,000 gallon aeration chamber, a 154,725 gallon post-anoxic chamber, a 32,525 gallon re-aeration zone, 112,602 gallon clarifier, and a 317,950 gallon digester. Effluent from the new plant will pass through proposed expanded sand filters and the existing chlorine contact chambers shared by the existing treatment trains. The plan also includes the addition of a dual influent screen on the existing plant as well as disposal to two new injection wells. Disinfection is to be provided by liquid chlorine. The existing treatment facility will continue with normal operation during construction.

The existing WWTP and the proposed 0.350 MGD treatment train has and will be modified to meet the advanced wastewater treatment (AWT) standards of Florida Law 403.086 (10) [§403.086(10), F.S.]. The extended aeration



PERMITTEE: Key West Resort Utilities, Corp.  
FACILITY: Key West Resort WWTP

PERMIT NUMBER: INTENT  
PA FILE NUMBER: INTENT

process will be switched to the AWT nutrient removal system prior to January 01, 2016. The changes to AWT include the addition of an alkalinity control system, a carbon injection system, an alum injection system, along with modifying the mixing and aeration at different phases of the treatment process.

**The final total volumes at 0.849 MGD capacity will be:**

Flow Equalization = 254,550 gallons  
Aeration Basins = 395,800 gallons  
Anoxic Basins = 374,545 gallons  
Re-Aeration Basins = 80,205 gallons  
Clarifiers = 218,624 gallons  
Digesters = 446,157 gallons  
Four Filters = 384 cubic feet  
Four Chlorine Contact Chambers = 22,980 gallons

**REUSE OR DISPOSAL:**

**Underground Injection U-001:** An existing 0.499 MGD AADF permitted capacity underground injection well system consisting of 2 Class V underground injection wells permitted under Department permit number(s) 184940-020 and 021 discharging to Class G-III ground water. Underground Injection Well System U-001 is located approximately at latitude 24°33' 55" N, longitude 81°44' 51" W.

**Underground Injection U-002:** Construct and operate a new 0.499 MGD AADF permitted capacity, underground injection well system consisting of: 2 Class V wells with a 10" diameter, at a depth of at least 110 feet, with PVC casing to a depth of at least 60 feet, made of Neat® cement, 60 foot depth, and a thickness of at least 2 inches, discharging to Class G-III ground water.

**Underground Injection U-003:** The summation of U-001 and U-002, an existing 0.998 MGD AADF permitted capacity underground injection well system consisting of 4 Class V underground injection wells, the summation of U-001 and U-002. Injection is into the Key Largo and Miami Oolite Formations for the primary means of disposal of non-hazardous secondary treated domestic wastewater treatment facility effluent to the existing injection wells for a maximum daily disposal of 1.27 MGD. The maximum injection rate shall not exceed a peak hourly flow rate of 882 gallons per minute.

**Land Application R-001:** An existing 0.499 MGD AADF permitted capacity slow-rate public access system. R-001 is a reuse system which consists of golf course irrigation at the Key West Golf Course. Toilet flushing, AC makeup water, and fire protection are provided at the Monroe County Detention Center. The Key West golf course irrigation system consists of two (2) interconnected lakes that do not discharge to surface waters.

**Land Application R-002:** A new 0.849 MGD AADF permitted capacity slow-rate public access system. R-002 is a reuse system which consists of golf course irrigation at the Key West Golf Course, and the ball field irrigation at the Florida Keys Community College. Toilet flushing, AC makeup water, and fire protection are provided at the Monroe County Detention Center, the Florida Keys Community College, and the Lower Keys Medical Center.

**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 33 of this permit.

PERMITTEE: Key West Resort Utilities, Corp.  
 FACILITY: Key West Resort WWTP

PERMIT NUMBER: INTENT  
 PA FILE NUMBER: INTENT

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

**A. Underground Injection Control Systems**

1. **During the period beginning on the effective date and lasting through December 31, 2015**, the permittee is authorized to discharge effluent to Underground Injection Well System U-001. Such discharge shall be limited and monitored by the permittee as specified below and reported in accordance with Permit Condition I.C.77.:

| Parameter                                   | Units   | Reclaimed Water Limitations |                              |  | Monitoring Requirements |                                     |                        | Notes     |
|---|---------|-----------------------------|------------------------------|--|-------------------------|-------------------------------------|------------------------|-----------|
|   |         | Max/Min                     | Limit                        | Statistical Basis  | Frequency of Analysis   | Sample Type                         | Monitoring Site Number |           |
| Flow  | MGD     | Max<br>Max                  | 0.499<br>Report              | Annual Average<br>Monthly Average                                    | 5 Days/Week             | Recording Flow Meter with Totalizer | FLW-002                | See I.A.3 |
| BOD, Carbonaceous 5 day, 20C                | mg/L    | Max<br>Max<br>Max<br>Max    | 20.0<br>30.0<br>45.0<br>60.0 | Annual Average<br>Monthly Average<br>Weekly Average<br>Single Sample | Every 2 weeks           | 8-hr FPC                            | EFA-001                |           |
| Solids, Total Suspended                     | mg/L    | Max<br>Max<br>Max<br>Max    | 20.0<br>30.0<br>45.0<br>60.0 | Annual Average<br>Monthly Average<br>Weekly Average<br>Single Sample | Every 2 weeks           | 8-hr FPC                            | EFA-001                |           |
| Coliform, Fecal                             | #/100mL | Max<br>Max<br>Max           | 200<br>200<br>800            | Annual Average<br>Monthly Geometric Mean<br>Single Sample            | Every 2 weeks           | Grab                                | EFA-001                | See I.A.4 |
| pH  | s.u.    | Min<br>Max                  | 6.0<br>8.5                   | Single Sample<br>Single Sample                                       | 5 Days/Week             | Grab                                | EFA-001                |           |
| Chlorine, Total Residual (For Disinfection) | mg/L    | Min                         | 0.5                          | Single Sample  | 5 Days/Week             | Grab                                | EFA-001                | See I.A.5 |
| Nitrogen, Total                             | mg/L    | Max                         | Report                       | Single Sample  | Every 2 weeks           | 8-hr FPC                            | EFA-001                |           |
| Phosphorus, Total (as P)                    | mg/L    | Max                         | Report                       | Single Sample  | Every 2 weeks           | 8-hr FPC                            | EFA-001                |           |

Docket No. 150071-SU  
 Engineering MFRs  
 Exhibit CAJ-2, Page 199 of 346

PERMITTEE: Key West Resort Utilities, Corp.  
FACILITY: Key West Resort WWTP

PERMIT NUMBER: INTENT  
PA FILE NUMBER: INTENT

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                                    |
|------------------------|---|
| FLW-002                | Flow measurement for effluent discharge into the injection wells. |
| EFA-001                | After chlorination and prior to the disposal system.              |

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)(h) and (5)(h)]*
6. Beginning on July 1, 2016, the facility shall either cease all discharge to the injection wells or meet revised annual average effluent limits for certain parameters as shown below. The limits for all other parameters listed in I. A.1 will remain the same.
- a. Carbonaceous biochemical oxygen demand (CBOD5) of 5.0 mg/L;
  - b. Total suspended solids (TSS) of 5.0 mg/L;
  - c. Total nitrogen (as N) of 3.0 mg/L;
  - d. Total phosphorus (as P) of 1.0 mg/L. *[\$403.086(10), F.S.]*

PERMITTEE: Key West Resort Utilities, Corp.  
 FACILITY: Key West Resort WWTP

PERMIT NUMBER: INTENT  
 PA FILE NUMBER: INTENT

7. **Beginning on January 01, 2016 and lasting through the expiration date of this permit**, the permittee is authorized to discharge effluent to Underground Injection Well System U-002. Such discharge shall be limited and monitored by the permittee as specified below and reported in accordance with Permit Condition I.C.77.:

| Parameter                                   | Units   | Max/Min                  | Reclaimed Water Limitations |  | Monitoring Requirements |                                     |                        | Notes      |
|---|---------|--------------------------|-----------------------------|--|-------------------------|-------------------------------------|------------------------|------------|
|   |         |                          | Limit                       | Statistical Basis  | Frequency of Analysis   | Sample Type                         | Monitoring Site Number |            |
| Flow  | MGD     | Max<br>Max               | 0.499<br>Report             | Annual Average<br>Monthly Average                                    | 5 Days/Week             | Recording Flow Meter with Totalizer | FLW-002                | See I.A.9  |
| BOD, Carbonaceous 5 day, 20C                | mg/L    | Max<br>Max<br>Max<br>Max | 5.0<br>6.25<br>7.5<br>10.0  | Annual Average<br>Monthly Average<br>Weekly Average<br>Single Sample | Every 2 weeks           | 8-hr FPC                            | EFA-001                |            |
| Solids, Total Suspended                     | mg/L    | Max<br>Max<br>Max<br>Max | 5.0<br>6.25<br>7.5<br>10.0  | Annual Average<br>Monthly Average<br>Weekly Average<br>Single Sample | Every 2 weeks           | 8-hr FPC                            | EFA-001                |            |
| Coliform, Fecal                             | #/100mL | Max<br>Max<br>Max        | 200<br>200<br>800           | Annual Average<br>Monthly Geometric Mean<br>Single Sample            | Every 2 weeks           | Grab                                | EFA-001                | See I.A.10 |
| pH  | s.u.    | Min<br>Max               | 6.0<br>8.5                  | Single Sample<br>Single Sample                                       | 5 Days/Week             | Grab                                | EFA-001                |            |
| Chlorine, Total Residual (For Disinfection) | mg/L    | Min                      | 0.5                         | Single Sample  | 5 Days/Week             | Grab                                | EFA-001                | See I.A.11 |
| Nitrogen, Total                             | mg/L    | Max<br>Max<br>Max<br>Max | 3.0<br>3.75<br>4.5<br>6.0   | Annual Average<br>Monthly Average<br>Weekly Average<br>Single Sample | Every 2 weeks           | 8-hr FPC                            | EFA-001                |            |
| Phosphorus, Total (as P)                    | mg/L    | Max<br>Max<br>Max<br>Max | 1.0<br>1.25<br>1.5<br>2.0   | Annual Average<br>Monthly Average<br>Weekly Average<br>Single Sample | Every 2 weeks           | 8-hr FPC                            | EFA-001                |            |

Exhibit CAJ-2, Page 201 of 346  
 Docket No. 150071-SU  
 Engineering MFRS

PERMITTEE: Key West Resort Utilities, Corp.  
FACILITY: Key West Resort WWTP

PERMIT NUMBER: INTENT  
PA FILE NUMBER: INTENT

8. Effluent samples shall be taken at the monitoring site locations listed in Permit Condition I.A.7. and as described below:

| Monitoring Site Number | Description of Monitoring Site                                    |
|------------------------|---|
| FLW-002                | Flow measurement for effluent discharge into the injection wells. |
| EFA-001                | After chlorination and prior to the disposal system.              |

9. 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)]*
10. 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)]*
11. 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)]*
12. The permittee shall monitor to ensure proper process control in accordance with the operator sampling and testing schedule included in the facility's Operation and Maintenance Manual. This monitoring may be performed using methods other than those in Chapter 62-160, F.A.C., as long as this data is for process control purposes and is not reported on the Discharge Monitoring Report. *[62-620.320(6)]*

PERMITTEE: Key West Resort Utilities, Corp.  
 FACILITY: Key West Resort WWTP

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13. After January 01, 2016, and lasting through the expiration date of this permit, the permittee is authorized to discharge effluent to Underground Injection Well System U-003. Such discharge shall be limited and monitored by the permittee as specified below and reported in accordance with Permit Condition I.C.77.:

| Parameter                                   | Units   | Max/Min                  | Reclaimed Water Limitations |  | Monitoring Requirements |                                     |                        | Notes      |
|---|---------|--------------------------|-----------------------------|--|-------------------------|-------------------------------------|------------------------|------------|
|   |         |                          | Limit                       | Statistical Basis  | Frequency of Analysis   | Sample Type                         | Monitoring Site Number |            |
| Flow  | MGD     | Max<br>Max               | 0.998<br>Report             | Annual Average<br>Monthly Average                                    | 5 Days/Week             | Recording Flow Meter with Totalizer | FLW-002                | See I.A.15 |
| BOD, Carbonaceous 5 day, 20C                | mg/L    | Max<br>Max<br>Max<br>Max | 5.0<br>6.25<br>7.5<br>10.0  | Annual Average<br>Monthly Average<br>Weekly Average<br>Single Sample | Weekly                  | 8-hr FPC                            | EFA-001                |            |
| Solids, Total Suspended                     | mg/L    | Max<br>Max<br>Max<br>Max | 5.0<br>6.25<br>7.5<br>10.0  | Annual Average<br>Monthly Average<br>Weekly Average<br>Single Sample | Weekly                  | 8-hr FPC                            | EFA-001                |            |
| Coliform, Fecal                             | #/100mL | Max<br>Max<br>Max        | 200<br>200<br>800           | Annual Average<br>Monthly Geometric Mean<br>Single Sample            | Weekly                  | Grab                                | EFA-001                | See I.A.16 |
| pH  | s.u.    | Min<br>Max               | 6.0<br>8.5                  | Single Sample<br>Single Sample                                       | 5 Days/Week             | Grab                                | EFA-001                |            |
| Chlorine, Total Residual (For Disinfection) | mg/L    | Min                      | 0.5                         | Single Sample  | 5 Days/Week             | Grab                                | EFA-001                | See I.A.17 |
| Nitrogen, Total                             | mg/L    | Max<br>Max<br>Max<br>Max | 3.0<br>3.75<br>4.5<br>6.0   | Annual Average<br>Monthly Average<br>Weekly Average<br>Single Sample | Weekly                  | 8-hr FPC                            | EFA-001                |            |
| Phosphorus, Total (as P)                    | mg/L    | Max<br>Max<br>Max<br>Max | 1.0<br>1.25<br>1.5<br>2.0   | Annual Average<br>Monthly Average<br>Weekly Average<br>Single Sample | Weekly                  | 8-hr FPC                            | EFA-001                |            |

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14. Effluent samples shall be taken at the monitoring site locations listed in Permit Condition I.A.13. and as described below:

| Monitoring Site Number | Description of Monitoring Site                                    |
|------------------------|---|
| FLW-002                | Flow measurement for effluent discharge into the injection wells. |
| EFA-001                | After chlorination and prior to the disposal system.              |

15. 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)]*
16. 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)]*
17. 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)]*
18. The permittee shall monitor to ensure proper process control in accordance with the operator sampling and testing schedule included in the facility's Operation and Maintenance Manual. This monitoring may be performed using methods other than those in Chapter 62-160, F.A.C., as long as this data is for process control purposes and is not reported on the Discharge Monitoring Report. *[62-620.320(6)]*

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**B. Reuse and Land Application Systems**

1. During the period beginning on the effective date and lasting through the expiration date of this permit, the permittee is authorized to direct reclaimed water to Reuse System R-001. Such reclaimed water shall be limited and monitored by the permittee as specified below and reported in accordance with Permit Condition I.C.77.:

| Parameter                                   | Units        | Max/Min | Reclaimed Water Limitations |                   | Monitoring Requirements |                                     |                        | Notes               |
|---|--------------|---------|-----------------------------|-------------------|-------------------------|-------------------------------------|------------------------|---------------------|
|   |              |         | Limit                       | Statistical Basis | Frequency of Analysis   | Sample Type                         | Monitoring Site Number |                     |
| Flow  | MGD          | Max     | 1.0                         | Annual Average    | 5 Days/Week             | Recording Flow Meter with Totalizer | FLW-003                | See I.B.3           |
| Flow  | MGD          | Max     | 0.06                        | Annual Average    | 5 Days/Week             | Recording Flow Meter with Totalizer | FLW-004                |                     |
| BOD, Carbonaceous 5 day, 20C                | mg/L         | Max     | 20.0                        | Annual Average    | Weekly                  | 8-hr FPC                            | EFA-001                |                     |
|   |              | Max     | 30.0                        | Monthly Average   |                         |                                     |                        |                     |
|   |              | Max     | 45.0                        | Weekly Average    |                         |                                     |                        |                     |
|   |              | Max     | 60.0                        | Single Sample     |                         |                                     |                        |                     |
| Solids, Total Suspended                     | mg/L         | Max     | 5.0                         | Single Sample     | Daily; 24 hours         | Grab                                | EFA-001                |                     |
| Coliform, Fecal                             | #/100mL      | Max     | 25                          | Single Sample     | Daily; 24 hours         | Grab                                | EFA-001                |                     |
| Coliform, Fecal, % less than detection      | percent      | Min     | 75                          | Monthly Total     | Daily; 24 hours         | Calculated                          | EFA-001                | See I.B.4           |
| pH  | s.u.         | Min     | 6.0                         | Single Sample     | 5 Days/Week             | Grab                                | EFA-001                |                     |
|   |              | Max     | 8.5                         | Single Sample     |                         |                                     |                        |                     |
| Chlorine, Total Residual (For Disinfection) | mg/L         | Min     | 1.0                         | Single Sample     | Continuous              | Meter                               | EFA-001                | See I.B.5 and I.B.8 |
| Turbidity                                   | NTU          | Max     | Report                      | Single Sample     | Continuous              | Meter                               | EFA-001                | See I.B.6 and I.B.8 |
| Giardia                                     | cysts/100L   | Max     | Report                      | Single Sample     | Every 5 years           | Grab                                | EFA-001                | See I.B.9           |
| Cryptosporidium                             | oocysts/100L | Max     | Report                      | Single Sample     | Every 5 years           | Grab                                | EFA-001                | See I.B.9           |



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2. Reclaimed water 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-003                | Flow measurement of reclaimed water sent to the Key West Golf Course  |
| FLW-004                | Flow measurement of reclaimed water sent to the Monroe County Detention Center                              |
| EFA-001                | After chlorination and prior to the disposal system.  |
| EFB-001                | Turbidity samples are taken immediately after filtration from a common feed line to the turbidity analyzer. |

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. To report the "% less than detection," count the number of fecal coliform observations that were less than detection, divide by the total number of fecal coliform observations in the month, and multiply by 100% (round to the nearest integer). *[62-600.440(5)(f)]*
5. The minimum total chlorine residual shall be limited as described in the approved operating protocol, such that the permit limitation for fecal coliform bacteria will be achieved. In no case shall the total chlorine residual be less than 1.0 mg/L. *[62-600.440(5)(b); 62-610.460(2); and 62-610.463(2)]*
6. The maximum turbidity shall be limited as described in the approved operating protocol, such that the permit limitations for total suspended solids and fecal coliforms will be achieved. *[62-610.463(2)]*
7. The treatment facilities shall be operated in accordance with all approved operating protocols. Only reclaimed water that meets the criteria established in the approved operating protocol(s) may be released to system storage or to the reuse system. Reclaimed water that fails to meet the criteria in the approved operating protocol(s) shall be directed to the following permitted alternate discharge system: U-001. *[62-610.320(6) and 62-610.463(2)]*
8. Instruments for continuous on-line monitoring of total residual chlorine and turbidity shall be equipped with an automated data logging or recording device. *[62-610.463(2)]*
9. Intervals between sampling for Giardia and Cryptosporidium shall not exceed five years. *[62-610.463(4)]*

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10. During the period beginning on the effective date and lasting through the expiration date of this permit, the permittee is authorized to direct reclaimed water to Reuse System R-002. Such reclaimed water shall be limited and monitored by the permittee as specified below and reported in accordance with Permit Condition 1.7.:

| Parameter                                   | Units        | Max/Min                  | Reclaimed Water Limitations  |  | Monitoring Requirements |                                     |                        | Notes                 |
|---|--------------|--------------------------|------------------------------|--|-------------------------|-------------------------------------|------------------------|-----------------------|
|   |              |                          | Limit                        | Statistical Basis  | Frequency of Analysis   | Sample Type                         | Monitoring Site Number |                       |
| Flow  | MGD          | Max                      | 1.0                          | Annual Average   | 5 Days/Week             | Recording Flow Meter with Totalizer | FLW-003                | See I.B.12            |
| Flow  | MGD          | Max                      | 0.060                        | Annual Average   | 5 Days/Week             | Recording Flow Meter with Totalizer | FLW-004                |                       |
| Flow  | MGD          | Max                      | 0.040                        | Annual Average   | 5 Days/Week             | Recording Flow Meter with Totalizer | FLW-005                |                       |
| Flow  | MGD          | Max                      | 0.010                        | Annual Average   | 5 Days/Week             | Recording Flow Meter with Totalizer | FLW-006                |                       |
| BOD, Carbonaceous 5 day, 20C                | mg/L         | Max<br>Max<br>Max<br>Max | 20.0<br>30.0<br>45.0<br>60.0 | Annual Average<br>Monthly Average<br>Weekly Average<br>Single Sample | Weekly                  | 8-hr FPC                            | EFA-001                |                       |
| Solids, Total Suspended                     | mg/L         | Max                      | 5.0                          | Single Sample  | Daily; 24 hours         | Grab                                | EFB-001                |                       |
| Coliform, Fecal                             | #/100mL      | Max                      | 25                           | Single Sample  | Daily; 24 hours         | Grab                                | EFA-001                |                       |
| Coliform, Fecal, % less than detection      | percent      | Min                      | 75                           | Monthly Total  | Daily; 24 hours         | Calculated                          | EFA-001                | See I.B.13            |
| pH  | s.u.         | Min<br>Max               | 6.0<br>8.5                   | Single Sample<br>Single Sample                                       | 5 Days/Week             | Grab                                | EFA-001                |                       |
| Chlorine, Total Residual (For Disinfection) | mg/L         | Min                      | 1.0                          | Single Sample  | Continuous              | Meter                               | EFA-001                | See I.B.14 and I.B.17 |
| Turbidity                                   | NTU          | Max                      | Report                       | Single Sample  | Continuous              | Meter                               | EFB-001                | See I.B.15 and I.B.17 |
| Giardia                                     | cysts/100L   | Max                      | Report                       | Single Sample  | Every 5 years           | Grab                                | EFA-001                | See I.B.18            |
| Cryptosporidium                             | oocysts/100L | Max                      | Report                       | Single Sample  | Every 5 years           | Grab                                | EFA-001                | See I.B.18            |

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11. Reclaimed water samples shall be taken at the monitoring site locations listed in Permit Condition I.B.10. and as described below:

| Monitoring Site Number | Description of Monitoring Site  |
|------------------------|---|
| FLW-003                | Flow measurement of reclaimed water sent to the Key West Golf Course  |
| FLW-004                | Flow measurement of reclaimed water sent to the Monroe County Detention Center                              |
| FLW-005                | Flow measurement of reclaimed water to the Lower Keys Medical Center  |
| FLW-006                | Flow measurement of reclaimed water to the Florida Keys Community College                                   |
| EFA-001                | After chlorination and prior to the disposal system.  |
| EFB-001                | Turbidity samples are taken immediately after filtration from a common feed line to the turbidity analyzer. |

12. 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)]*
13. To report the "% less than detection," count the number of fecal coliform observations that were less than detection, divide by the total number of fecal coliform observations in the month, and multiply by 100% (round to the nearest integer). *[62-600.440(5)(f)]*
14. The minimum total chlorine residual shall be limited as described in the approved operating protocol, such that the permit limitation for fecal coliform bacteria will be achieved. In no case shall the total chlorine residual be less than 1.0 mg/L. *[62-600.440(5)(b); 62-610.460(2); and 62-610.463(2)]*
15. The maximum turbidity shall be limited as described in the approved operating protocol, such that the permit limitations for total suspended solids and fecal coliforms will be achieved. *[62-610.463(2)]*
16. The treatment facilities shall be operated in accordance with all approved operating protocols. Only reclaimed water that meets the criteria established in the approved operating protocol(s) may be released to system storage or to the reuse system. Reclaimed water that fails to meet the criteria in the approved operating protocol(s) shall be directed *[62-610.320(6) and 62-610.463(2)]*
17. Instruments for continuous on-line monitoring of total residual chlorine and turbidity shall be equipped with an automated data logging or recording device. *[62-610.463(2)]*
18. Intervals between sampling for Giardia and Cryptosporidium shall not exceed five years. *[62-610.463(4)]*

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**C. Other Limitations and Monitoring and Reporting Requirements**

1. During the period beginning on the effective 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.C.7.:

| Parameter  | Units   | Max/Min           | Limitations               |  | Monitoring Requirements |             |                        | Notes                         |
|--|---------|-------------------|---------------------------|--|-------------------------|-------------|------------------------|-------------------------------|
|  |         |                   | Limit                     | Statistical Basis                                      | Frequency of Analysis   | Sample Type | Monitoring Site Number |                               |
| BOD, Carbonaceous 5 day, 20C (Influent)            | mg/L    | Max               | Report                    | Single Sample  | Weekly                  | 8-hr FPC    | INF-001                | See I.C.3, I.C.14, and I.C.15 |
| Solids, Total Suspended (Influent)                 | mg/L    | Max               | Report                    | Single Sample  | Weekly                  | 8-hr FPC    | INF-001                | See I.C.3, I.C.14, and I.C.15 |
| Percent Capacity, (TMADF/Permitted Capacity) x 100 | percent | Max               | Report                    | 3-Month Rolling Average                                | Monthly                 | Calculated  | CAL-001                |                               |
| Flow Prior to Completion of Construction           | MGD     | Max<br>Max<br>Max | 0.499<br>Report<br>Report | Annual Average<br>Monthly Average<br>Quarterly Average | 5 Days/Week             | Calculated  | FLW-001                |                               |
| Flow After Completion of Construction              | MGD     | Max<br>Max<br>Max | 0.849<br>Report<br>Report | Annual Average<br>Monthly Average<br>Quarterly Average | 5 Days/Week             | Calculated  | FLW-001                |                               |

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

| Monitoring Site Number | Description of Monitoring Site  |
|------------------------|---|
| INF-001                | Influent taken at either bar screen.  |
| CAL-001                | Calculation using Monthly FLW-001= (TMADF divided by permitted capacity) x 100                      |
| FLW-001                | FLW-002 + FLW-003 + FLW-004 + FLW-005 + FLW-006 will be added together and then recorded as FLW-001 |

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. Sampling results for giardia and cryptosporidium shall be reported on DEP Form 62-610.300(4)(a)4, Pathogen Monitoring, which is attached to this permit. This form shall be submitted to the Department's South District Office and to DEP's Reuse Coordinator in Tallahassee. *[62-610.300(4)(a)]*
5. The sample collection, analytical test methods and method detection limits (MDLs) applicable to this permit shall be conducted using a sufficiently sensitive method to ensure compliance with applicable water quality standards and effluent limitations and shall be in accordance with Rule 62-4.246, Chapters 62-160 and 62-601, F.A.C., and 40 CFR 136, as appropriate. The list of Department established analytical methods, and corresponding MDLs (method detection limits) and PQLs (practical quantitation limits), which is titled "FAC 62-4 MDL/PQL Table (April 26, 2006)" is available at <http://www.dep.state.fl.us/labs/library/index.htm>. The MDLs and PQLs as described in this list shall constitute the minimum acceptable MDL/PQL values and the Department shall not accept results for which the laboratory's MDLs or PQLs are greater than those described above unless alternate MDLs and/or PQLs have been specifically approved by the Department for this permit. Any method included in the list may be used for reporting as long as it meets the following requirements:
- The laboratory's reported MDL and PQL values for the particular method must be equal or less than the corresponding method values specified in the Department's approved MDL and PQL list;
  - The laboratory reported MDL for the specific parameter is less than or equal to the permit limit or the applicable water quality criteria, if any, stated in Chapter 62-302, F.A.C. Parameters that are listed as "report only" in the permit shall use methods that provide an MDL, which is equal to or less than the applicable water quality criteria stated in 62-302, F.A.C.; and
  - If the MDLs for all methods available in the approved list are above the stated permit limit or applicable water quality criteria for that parameter, then the method with the lowest stated MDL shall be used.

When the analytical results are below method detection or practical quantitation limits, the permittee shall report the actual laboratory MDL and/or PQL values for the analyses that were performed following the instructions on the applicable discharge monitoring report.

Where necessary, the permittee may request approval of alternate methods or for alternative MDLs or PQLs for any approved analytical method. Approval of alternate laboratory MDLs or PQLs are not necessary if the laboratory reported MDLs and PQLs are less than or equal to the permit limit or the applicable water quality criteria, if any, stated in Chapter 62-302, F.A.C. Approval of an analytical

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method not included in the above-referenced list is not necessary if the analytical method is approved in accordance with 40 CFR 136 or deemed acceptable by the Department. [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 the effective date of the permit. 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, quarterly, semiannual, annual, etc.) indicated on the DMR forms attached to this permit. Unless specified otherwise in this permit, monitoring results for each monitoring period shall be submitted in accordance with the associated DMR due dates below. DMRs shall be submitted for each required monitoring period including periods of no discharge.

| REPORT Type on DMR | Monitoring Period                      | Mail or Electronically Submit by        |
|--------------------|--|---|
| Monthly            | First day of month - last day of month | 28 <sup>th</sup> 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 31                   | January 28                              |
| Annual             | January 1 - December 31                | January 28                              |

The permittee may submit either paper or electronic DMR forms. If submitting paper DMR forms, the permittee shall make copies of the attached DMR forms, without altering the original format or content unless approved by the Department, and shall mail the completed DMR forms to the Department's South District Office at the address specified in Permit Condition I.C.12. by the twenty-eighth (28th) of the month following the month of operation.

If submitting electronic DMR forms, the permittee shall use the electronic DMR system(s) approved in writing by the Department and shall electronically submit the completed DMR forms to the Department by the twenty-eighth (28th) of the month following the month of operation. Data submitted in electronic format is equivalent to data submitted on signed and certified paper DMR forms.

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

8. During the period of operation authorized by this permit, reclaimed water or effluent shall be monitored annually for the primary and secondary drinking water standards contained in Chapter 62-550, F.A.C., (except for asbestos, color, odor, and corrosivity). These monitoring results shall be reported to the Department annually on the DMR. During years when a permit is not renewed, a certification stating that no new non-domestic wastewater dischargers have been added to the collection system since the last reclaimed water or effluent analysis was conducted may be submitted in lieu of the report. The annual reclaimed water or effluent analysis report or the certification shall be completed and submitted in a timely manner so as to be received by the Department at the address identified on the DMR by June 28 of each year. Approved analytical methods identified in Rule 62-

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620.100(3)(j), F.A.C., shall be used for the analysis. If no method is included for a parameter, methods specified in Chapter 62-550, F.A.C., shall be used. *[62-601.300(4)][62-601.500(3)][62-610.300(4)]*

9. The permittee shall submit an Annual Reuse Report using DEP Form 62-610.300(4)(a)2. on or before January 1 of each year. *[62-610.870(3)]*
10. Operating protocol(s) shall be reviewed and updated periodically to ensure continuous compliance with the minimum treatment and disinfection requirements. Updated operating protocols shall be submitted to the Department's South District Office for review and approval upon revision of the operating protocol(s) and with each permit application. *[62-610.320(6)][62-610.463(2)]*
11. The permittee shall maintain an inventory of storage systems. The inventory shall be submitted to the Department's South District Office at least 30 days before reclaimed water will be introduced into any new storage system. The inventory of storage systems shall be attached to the annual submittal of the Annual Reuse Report. *[62-610.464(5)]*
12. 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:

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

Phone Number - (305) 289-2310  
FAX Number - (850) 412-0590  
(All FAX copies and e-mails shall be followed by original copies.)

*[62-620.305]*

13. All reports and other information shall be signed in accordance with the requirements of Rule 62-620.305, F.A.C. *[62-620.305]*
14. Influent flow proportioned composite samples for CBOD<sub>5</sub>, total suspended solids, total nitrogen and total phosphorous shall be taken on the same day and composite periods shall be at the same time of day that the corresponding effluent samples are taken. *[62-601.300(6)]*
15. Influent flow proportioned composite samples for CBOD<sub>5</sub>, total suspended solids, total nitrogen, total phosphorous, total ammonia nitrogen, total kjedahl nitrogen, and total organic nitrogen 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. BIOSOLIDS MANAGEMENT REQUIREMENTS

1. Biosolids generated by this facility may be transferred to a biosolids treatment facility or disposed of in a Class I solid waste landfill. Transferring biosolids to an alternative biosolids treatment facility does not require a permit modification. However, use of an alternative biosolids treatment facility requires submittal of a copy of the agreement pursuant to Rule 62-640.880(1)(c), F.A.C., along with a written notification to the Department at least 30 days before transport of the biosolids. *[62-620.320(6), 62-640.880(1)]*

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2. The permittee shall monitor and keep records of the quantities of biosolids generated, received from source facilities, treated, distributed and marketed, land applied, used as a biofuel or for bioenergy, transferred to another facility, or landfilled. These records shall be kept for a minimum of five years. *[62-640.650(4)(a)]*
3. Biosolids quantities shall be monitored by the permittee as specified below. Results shall be reported on the permittee's Discharge Monitoring Report in accordance with Condition I.C.7.

| Parameter                        | Units    | Max /Min | Biosolids Limitations |                   | Monitoring Requirements |             |                        |
|----------------------------------|----------|----------|-----------------------|-------------------|-------------------------|-------------|------------------------|
|                                  |          |          | Limit                 | Statistical Basis | Frequency of Analysis   | Sample Type | Monitoring Site Number |
| Biosolids Quantity (Landfilled)  | dry tons | Max      | Report                | Monthly Total     | Monthly                 | Calculated  | RMP-01                 |
| Biosolids Quantity (Transferred) | dry tons | Max      | Report                | Monthly Total     | Monthly                 | Calculated  | RMP-01                 |

*[62-640.650(5)(a)1]*

4. Biosolids quantities shall be calculated as listed in Permit Condition II.3 and as described below:

| Monitoring Site Number | Description of Monitoring Site Calculations   |
|------------------------|---|
| RMP-01                 | Calculated Monthly Total of Biosolids transferred, or landfilled. (Per truck weight, flow measurements, calculated from total solids, etc.) |

5. The treatment, management, transportation, use, land application, or disposal of biosolids shall not cause a violation of the odor prohibition in subsection 62-296.320(2), F.A.C. *[62-640.400(6)]*
6. Storage of biosolids or other solids at this facility shall be in accordance with the Facility Biosolids Storage Plan. *[62-640.300(4)]*
7. Biosolids shall not be spilled from or tracked off the treatment facility site by the hauling vehicle. *[62-640.400(9)]*
8. Disposal of biosolids, 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 Chapter 62-701, F.A.C. *[62-640.100(6)(b) & (c)]*
9. The permittee shall not be held responsible for treatment and management violations that occur after its biosolids have been accepted by a permitted biosolids treatment facility with which the source facility has an agreement in accordance with subsection 62-640.880(1)(c), F.A.C., for further treatment, management, or disposal. *[62-640.880(1)(b)]*
10. The permittee shall keep hauling records to track the transport of biosolids between the facilities. The hauling records shall contain the following information:

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1. Date and time shipped
2. Amount of biosolids shipped
3. Degree of treatment (if applicable)

Biosolids Treatment Facility or Treatment Facility

1. Date and time received
2. Amount of biosolids received
3. Name and ID number of source facility



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4. Name and ID Number of treatment facility
5. Signature of responsible party at source facility
6. Signature of hauler and name of hauling firm

Biosolids Treatment Facility or Treatment Facility

4. Signature of hauler
5. Signature of responsible party at treatment facility

A copy of the source facility hauling records for each shipment shall be provided upon delivery of the biosolids to the biosolids treatment facility or treatment facility. The treatment facility permittee shall report to the Department within 24 hours of discovery any discrepancy in the quantity of biosolids leaving the source facility and arriving at the biosolids treatment facility or treatment facility.

[62-640.880(4)]

11. If the permittee intends to accept biosolids from other facilities, a permit revision is required pursuant to paragraph 62-640.880(2)(d), F.A.C. [62-640.880(2)(d)]

### III. GROUND WATER REQUIREMENTS

1. Section III is not applicable to this facility.

### IV. ADDITIONAL REUSE AND LAND APPLICATION REQUIREMENTS

#### A. Part III Public Access System(s)

1. This reuse system includes the following users of reclaimed water and general service areas:

| Site Number | User Name                      | User Type   | Capacity(MGD) | Acreage |
|-------------|--------------------------------|---|---------------|---------|
| PAA-002     | Monroe County Detention Center | Fire Protection, toilet flushing, & AC cooling                        | 0.060         | 3       |
| PAA-003     | Lower Keys Medical Center      | Fire Protection, toilet flushing, & AC cooling                        | 0.01          | 0.04    |
| PAA-001     | Key West Golf Club             | Golf Courses  | 1.0           | 100.27  |
| PAA-004     | Florida Keys Community College | Ball field irrigation, Fire protection, toilet flushing, & AC cooling | 0.04          | 0.01    |
| Total       |                                |   | 1.11          | 128.29  |

[62-610.800(5)][62-620.630(10)(b)]

2. Cross-connections to the potable water system are prohibited. [62-610.469(7)]
3. A cross-connection control program shall be implemented and/or remain in effect within the areas where reclaimed water will be provided for use and shall be in compliance with the Rule 62-555.360, F.A.C. [62-610.469(7)]
4. The permittee shall conduct inspections within the reclaimed water service area to verify proper connections, to minimize illegal cross-connections, and to verify both the proper use of reclaimed water and that the proper backflow prevention assemblies or devices have been installed and tested. Inspections are required when a customer first connects to the reuse distribution system. Subsequent inspections are required as specified in the cross-connection control and inspection program. [62-610.469(7)(h)]

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5. If an actual or potential (e.g. no dual check device on residential connections served by a reuse system) cross-connection between the potable and reclaimed water systems is discovered, the permittee shall:
  - a. Immediately discontinue potable water and/or reclaimed water service to the affected area if an actual cross-connection is discovered.
  - b. If the potable water system is contaminated, clear the potable water lines.
  - c. Eliminate the cross-connection and install a backflow prevention device as required by the Rule 62-555.360.F.A.C.
  - d. Test the affected area for other possible cross-connections.
  - e. Within 24 hours, notify the Department's South District Office's domestic wastewater and drinking water programs.
  - f. Within 5 days of discovery of an actual or potential cross-connection, submit a written report to the Department's South District Office detailing: a description of the cross-connection, how the cross-connection was discovered, the exact date and time of discovery, approximate time that the cross-connection existed, the location, the cause, steps taken to eliminate the cross-connection, whether reclaimed water was consumed, and reports of possible illness, whether the drinking water system was contaminated and the steps taken to clear the drinking water system, when the cross-connection was eliminated, plan of action for testing for other possible cross-connections in the area, and an evaluation of the cross-connection control and inspection program to ensure that future cross-connections do not occur.

*[62-555.350(3) and 62-555.360][62-620.610(20)]*

6. Maximum obtainable separation of reclaimed water lines and potable water lines shall be provided and the minimum separation distances specified in Rule 62-610.469(7), F.A.C., shall be provided. Reuse facilities shall be color coded or marked. Underground piping which is not manufactured of metal or concrete shall be color coded using Pantone Purple 522C using light stable colorants. Underground metal and concrete pipe shall be color coded or marked using purple as the predominant color. *[62-610.469(7)]*
7. In constructing reclaimed water distribution piping, the permittee shall maintain a 75-foot setback distance from a reclaimed water transmission facility to public water supply wells. No setback distances are required to other potable water supply wells or to any nonpotable water supply wells. *[62-610.471(3)]*
8. A setback distance of 75 feet shall be maintained between the edge of the wetted area and potable water supply wells, unless the utility adopts and enforces an ordinance prohibiting potable water supply wells within the reuse service area. No setback distances are required to any nonpotable water supply well, to any surface water, to any developed areas, or to any private swimming pools, hot tubs, spas, saunas, picnic tables, barbecue pits, or barbecue grills. *[62-610.471(1), (2), (5), and (7)]*
9. Reclaimed water shall not be used to fill swimming pools, hot tubs, or wading pools. *[62-610.469(4)]*
10. Low trajectory nozzles, or other means to minimize aerosol formation shall be used within 100 feet from outdoor public eating, drinking, or bathing facilities. *[62-610.471(6)]*

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11. A setback distance of 100 feet shall be maintained from indoor aesthetic features using reclaimed water to adjacent indoor public eating and drinking facilities. *[62-610.471(8)]*
12. The public shall be notified of the use of reclaimed water. This shall be accomplished by posting of advisory signs in areas where reuse is practiced, notes on scorecards, or other methods. *[62-610.468(2)]*
13. All advisory signs and labels on vaults, service boxes, or compartments that house hose bibbs along with all labels on hose bibbs, valves, and outlets shall bear the words "do not drink" and "no beber" along with the equivalent standard international symbol. In addition to the words "do not drink" and "no beber," advisory signs posted at storage ponds and decorative water features shall also bear the words "do not swim" and "no nadar" along with the equivalent standard international symbols. *[62-610.468 & .469]*
14. All new advisory signs and labels on vaults, service boxes, or compartments that house hose bibbs along with all labels on hose bibbs, valves, and outlets shall bear the words "do not drink" and "no beber" along with the equivalent standard international symbol. In addition to the words "do not drink" and "no beber," advisory signs posted at storage ponds and decorative water features shall also bear the words "do not swim" and "no nadar" along with the equivalent standard international symbols. Existing advisory signs and labels shall be retrofitted, modified, or replaced in order to comply with the revised wording requirements. For existing advisory signs and labels this retrofit, modification, or replacement shall occur within 365 days after the date of this permit. For labels on existing vaults, service boxes, or compartments housing hose bibbs this retrofit, modification, or replacement shall occur within 730 days after the date of this permit. *[62-610.468, 62-610.469]*
15. The permittee shall ensure that users of reclaimed water are informed about the origin, nature, and characteristics of reclaimed water; the manner in which reclaimed water can be safely used; and limitations on the use of reclaimed water. Notification is required at the time of initial connection to the reclaimed water distribution system and annually after the reuse system is placed into operation. A description of on-going public notification activities shall be included in the Annual Reuse Report. *[62-610.468(6)]*
16. Routine aquatic weed control and regular maintenance of storage pond embankments and access areas are required. *[62-610.414(8)]*
17. Overflows from emergency discharge facilities on storage ponds shall be reported as abnormal events in accordance with Permit Condition IX.20. *[62-610.800(9)]*

## 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(s) certified in accordance with Chapter 62-602, F.A.C. In accordance with Chapter 62-699, F.A.C., this facility is a Category III, Class C, when operating as an extended aeration process facility and, at a minimum, operators with appropriate certification must be on the site as follows:

**Per Final Order Granting Petition for temporary Variance from Rule 62-610.462(3) submitted September 19, 2012:** A Class C or higher operator 6 hours per day for 5 days per week and one weekend visit (increased to one visit on each weekend day when operated as a Category I nutrient removal process), provided there is no discharge to reuse facilities during the weekends. . The

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lead/chief operator must be a Class C operator, or higher. This staffing requirement is valid until February 19, 2017 or the completion of construction and the permitted capacity becomes 0.849 MGD AADF.

**Upon Completion of Construction and the facility is operating as a Category 1 Class B:** A Class C or higher operator 8 hours per day for 7 days per week with the 8 hours per day of staffing occurring the 8 hour period of greatest influent flow. The chief/lead operator must be a Class B operator or higher. *[62-699.311(5)(a)]*

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 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)]*
3. An operator meeting the lead/chief operator class for the plant shall be available during all periods of plant operation. "Available" means able to be contacted as needed to initiate the appropriate action in a timely manner. *[62-699.311(1)]*

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

1. An updated capacity analysis report shall be submitted to the Department annually by February 19 of each year. The updated capacity analysis report shall be prepared in accordance with Rule 62-600.405, F.A.C. *[62-600.405(5)]*
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)]*

#### **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;

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- h. Copies of the licenses of the current certified operators;
- 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 operator(s) and the signature of the person(s) 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; and
- j. Records of biosolids quantities, treatment, monitoring, and hauling for at least five years.

*[62-620.350, 62-602.650, 62-640.650(4)]*

## VI. SCHEDULES

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

| Improvement Action   | Completion Date |
|--|-----------------|
| 1. Construct and operate a new 0.350 treatment train to increase capacity to 0.849 MGD   | 02/20/2017      |
| 2. Construct and submit certified completion of construction to the South District DEP office for approval of the two new underground injection wells. | 02/20/2017      |
| 3. Obtain operational level at the new WWTP and submit certified completion of construction to the South District DEP office.                          | 02/20/2017      |
| 4. Change disinfection from chlorine gas to liquid bleach  | 02/20/2017      |

*[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. The permittee is not authorized to discharge to waters of the state after the expiration date of this permit, unless:
  - a. The permittee has applied for renewal of this permit at least 180 days before the expiration date of this permit using the appropriate forms listed in Rule 62-620.910, F.A.C., and in the manner established in the Department of Environmental Protection Guide to Permitting Wastewater Facilities or Activities Under Chapter 62-620, F.A.C., including submittal of the appropriate processing fee set forth in Rule 62-4.050, F.A.C.; or

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- b. The permittee has made complete the application for renewal of this permit before the permit expiration date.

*[62-620.335(1) - (4)]*

## 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
  - 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)]*

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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)]*
3. As provided in subsection 403.087(7), 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

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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,



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- revoking and reissuing, or terminating this permit, or to determine compliance with the permit. The permittee shall also provide to the Department upon request copies of records required by this permit to be kept. If the permittee becomes aware of relevant facts that were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be promptly submitted or corrections promptly reported to the Department. *[62-620.610(11)]*
12. 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.

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- 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 Laboratory Certification Program (DOH ELCP). Such certification shall be for the matrix, test method and analyte(s) 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;

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- (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.

*[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.c. 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.b.(1) through (3) of this permit.

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- 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.b. through d. 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 cause(s) of the upset;
  - (2) The permitted facility was at the time being properly operated;
  - (3) The permittee submitted notice of the upset as required in Permit Condition IX.20. of this permit; and
  - (4) The permittee complied with any remedial measures required under Permit Condition IX.5. of this permit.
- 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.

*[62-620.610(23)]*

**X. INJECTION WELLS:**

**I. 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.

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- d. The permittee shall take all reasonable steps to minimize or correct any adverse impact 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:
  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

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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.
- 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(s) 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 the well shall not exceed a peak hourly flow rate of 882 gallons per minute (1.27 MGD Peak Day Flow). Flow to the wellhead shall be measured with a properly calibrated flow meter(s) 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 Specific 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.
- 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.

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**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 a 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:

| <i>Casing Diameter and Type</i> | <i>Depth Cased (ft bls)</i> | <i>Open Hole Interval ( feet bls)</i> |
|---------------------------------|-----------------------------|---------------------------------------|
| 10" Sch 40 PVC                  | 60' depth                   | From 60 to 90»                        |

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:

| <i>Parameters</i>   | <i>Reporting Frequency</i> |
|---|----------------------------|
| 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.<br>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**

| <i>Parameters</i>              | <i>Reporting Frequency</i> |
|--------------------------------|----------------------------|
| pH (std. Units)                | Monthly                    |
| Total Nitrogen (TN) (mg/L)     | Monthly                    |
| Total Phosphorus (mg/L)        | Monthly                    |
| CBOD <sub>5</sub> (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. 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 DISPOSAL WELL PERMIT RENEWAL**

- a. 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)

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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.

Executed in Fort Myers, Florida

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL PROTECTION

**INTENT**

Jon M. Iglehart  
Director of  
District Management

DATE:

JMI/BJS/





**Florida Department of Environmental Protection**  
Twin Towers Office Bldg., 2600 Blair Stone Road, Tallahassee, Florida 32399-2400

**PATHOGEN MONITORING**

**Part I - Instructions**

1. Completion of this report is required by Rules 62-610.463(4), 62-610.472(3)(d), 62-610.525(13), 62-610.568(11), 62-610.568(12), and 62-610.652(6)(c), F.A.C., for all domestic wastewater facilities that provide reclaimed water to certain types of reuse activities. The schedule for sampling and reporting shall be in accordance with the permit for the facility.
  - a. Routine Sampling:

Sampling is required once every five years, this report shall be submitted with the application for permit renewal.
  - b. Subsequent Re-Sampling:

If subsequent re-sampling is required by Item 9 in Part I of this form, this form shall be submitted for the subsequent re-sampling(s) in accordance with the schedule established in Item 9 in Part I of this form.
2. Submit one copy of this form and a copy of the laboratory's final report for the analysis of *Giardia* and *Cryptosporidium* to each of the following two addresses:
  1. a. South District Branch Office  
Florida Department of Environmental Protection  
2796 Overseas Highway, Suite 221  
Marathon, Florida 33050  
Phone Number - (305) 289-2310
  - b. DEP Water Reuse Coordinator  
Mail Station 3540  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400
3. Please type or print legibly.
4. In Part II, Items 7 through 12 need to be completed only if this is the first submittal of this report, if the information in Items 7 through 12 has changed since the last submittal, or if the information in any of these questions has not been previously provided.
5. Part III is to be used when sampling for *Giardia* and *Cryptosporidium* at the treatment plant. Part III is also to be used when sampling for *Giardia* and *Cryptosporidium* in a supplemental water supply (see Rule 62-610.472, F.A.C.).
6. For each sample, record the sample volume obtained in liters.

7. For *Giardia*, record the concentrations in cysts per 100 liters. For *Cryptosporidium*, record the concentrations in oocysts per 100 liters. Sufficient sample volumes shall be collected and processed such that the detection limit is no greater than 5 cysts or oocysts per 100 liters. Detection levels on the order of 1 cyst or oocyst per 100 liters are recommended. If an observation is less than the detection limit, make an entry in the form "<2" (where 2 per 100 liters is the detection limit in this example). The actual detection limit will be dictated by the volumes of sample obtained, filtered, and processed. Do NOT record nondetectable values as zero.
8. EPA Method 1623 or other approved methods for reclaimed water or nonpotable waters, adjusted appropriately to accommodate the detection limit requirements, shall be used. Methods previously allowed for EPA's Information Collection Rule (ICR) shall not be used. The full requirements of the approved method, including quality assurance and quality control, are to be met. Quality assurance and sampling requirements in Chapter 62-160, F.A.C., shall apply.

Two concentrations of *Giardia* and *Cryptosporidium* shall be recorded on Part III of this form:

- a. Total cysts and oocysts shall be enumerated using EPA Method 1623 or other approved methods.
  - b. Potentially viable cysts and oocysts shall be enumerated using the DAPI staining technique contained in EPA Method 1623 or similar enumeration techniques included in other approved methods. Cysts and oocysts that are stained DAPI positive or show internal structure by D.I.C. shall be considered as being potentially viable. If the laboratory reports separate values for DAPI positive and for cysts or oocysts having internal structure, the larger of the two concentrations will be reported as being potentially viable.
9. If the number of potentially viable cysts of *Giardia* reported exceeds 5 per 100 liters, a subsequent sample shall be taken and analyzed using EPA Method 1623 or other approved methods and reported using this form. If the number of potentially viable oocysts of *Cryptosporidium* reported exceeds 22 per 100 liters, a subsequent sample shall be taken and analyzed using EPA Method 1623 or other approved methods and reported using this form. This subsequent sample shall be collected within 90 days of the date the initial sample was taken, analyzed for both *Giardia* and *Cryptosporidium*, and the results of the subsequent analysis shall be submitted to DEP using this form within 60 days of sample collection.
  10. Rule 62-160.300, F.A.C., requires that all laboratories generating environmental data for submission to the DEP shall hold certification from the Department of Health's (DOH) Environmental Laboratory Certification Program (ELCP). Certification by the ELCP for analysis of *Giardia* and *Cryptosporidium* using EPA Method 1623 for non-potable waters is required. If other approved methods are used, certification by the ELCP is required for the specific method and for the test matrix. Lists of certified laboratories can be found at [www.dep.state.fl.us/labs/cgi-bin/aams/index.asp](http://www.dep.state.fl.us/labs/cgi-bin/aams/index.asp)
  11. Samples shall be collected during peak flow periods (normally between the hours of 8:00 a.m. and 6:00 p.m.).
  12. Recognizing that concentrations of these pathogens generally increase during the late summer through fall period, it is recommended that utilities sample during the August through October time period.
  13. If the wastewater treatment facility uses chlorination for disinfection, samples obtained for analysis of *Giardia* and *Cryptosporidium* shall be dechlorinated.
  14. When sampling at the treatment facility, obtain a grab sample for total suspended solids (TSS) that is representative of the water leaving the filters at the treatment facility during the period when pathogen

- samples are being obtained. In addition, record the highest turbidity and the lowest total chlorine residual observed during the period when pathogen samples are being obtained.
15. When sampling a supplemental water supply, obtain a grab sample for total suspended solids (TSS) that is representative of the surface water or treated stormwater as it is added to the reclaimed water system. This TSS sample shall be taken during the period when pathogen samples are being obtained. In addition, record the lowest total chlorine residual observed during the period when pathogen samples are being obtained.

**Part II - General Information**

1. DEP wastewater facility identification number: **FLA014951**

Wastewater facility name: Key West Resort Utility

Permittee name: Key West Resort Utility, Corp.

2. Person completing this form:

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

Telephone: ( \_\_\_\_\_ ) \_\_\_\_\_

Email address: \_\_\_\_\_

3. Sampling and analysis:

Date samples were taken: \_\_\_\_\_

Organization collecting the samples: \_\_\_\_\_

Was the sample dechlorinated in the field?  Yes  No

Was the sample refrigerated or kept on ice during shipment to the laboratory?  Yes  No

Date samples delivered to laboratory: \_\_\_\_\_

Date analytical work was done: \_\_\_\_\_

Laboratory doing the analysis: \_\_\_\_\_

Laboratory's DOH Identification Number: \_\_\_\_\_

Approved method used;

EPA Method 1623

Other approved method: \_\_\_\_\_

Contact person at the laboratory: \_\_\_\_\_

Email address of the lab contact person: \_\_\_\_\_

4. Is this the first time that this form has been submitted for the facility?

Yes [Please complete Questions 7 through 16.]

No [Proceed to Question 5.]

5. Is this a report of "subsequent re-sampling" required by Item 9 in Part I of this form based on concentrations of potentially viable cysts or oocysts in a previous sampling?

No [Proceed to Question 6.]

Yes [Attach a description of any facility or operational changes made to the treatment facilities since the time of the previous sampling and proceed to Question 6.]

6. Has the information requested in Questions 7 through 12 (below) changed since the last submittal of this form?

Yes [Please complete Questions 7 through 16.]

No [Proceed to Questions 13 through 16 of Part II of this form. You do not need to complete Questions 7 through 12.]

7. Type of secondary treatment system:

Conventional activated sludge

Extended aeration

Contact stabilization

Biological nutrient removal (such as Bardenpho)

Other: \_\_\_\_\_

8. Does this treatment facility nitrify (convert ammonia nitrogen to nitrate)?  Yes  No

9. Filter type:

Deep bed, single media

Deep bed, multiple media

Shallow bed, automatic backwash

Upflow (including Dynasand)

Slow rate sand filter

Diatomaceous earth filter

Fabric filter

Cartridge filter

Membranes (microfiltration, ultrafiltration, membrane bioreactor, reverse osmosis)

Other: \_\_\_\_\_

10. Filter Media (complete for each type of media provided):

Top layer of media: Media type: \_\_\_\_\_

Effective size: \_\_\_\_\_ mm

Uniformity coefficient: \_\_\_\_\_

Bed depth: \_\_\_\_\_ inches

Middle layer of media: Media type: \_\_\_\_\_  
Effective size: \_\_\_\_\_ mm  
Uniformity coefficient: \_\_\_\_\_  
Bed depth: \_\_\_\_\_ inches

Bottom layer of media: Media type: \_\_\_\_\_  
Effective size: \_\_\_\_\_ mm  
Uniformity coefficient: \_\_\_\_\_  
Bed depth: \_\_\_\_\_ inches

11. Filter backwash water:

- Backwash water is returned to the headworks of the treatment plant.
- Backwash water is returned to the aeration basin.
- Other. Please describe: \_\_\_\_\_

12. Disinfection system:

- Chlorination, gas
- Hypochlorite
- Chlorine dioxide
- Chlorination, other \_\_\_\_\_
- Ultraviolet
- Ozone
- Other: \_\_\_\_\_

13. Is chlorine added before the filters?  No  Yes Dose: \_\_\_\_\_ mg/L

14. During the period that samples were taken, did you add a coagulant, coagulant aid, polyelectrolyte, or other chemical to enhance filtration?

- No
- Yes. Please list the chemicals being added and their dose.

Chemical 1 - Name: \_\_\_\_\_ Dose: \_\_\_\_\_ mg/L

Chemical 2 - Name: \_\_\_\_\_ Dose: \_\_\_\_\_ mg/L

Chemical 3 - Name: \_\_\_\_\_ Dose: \_\_\_\_\_ mg/L

15. Wastewater treatment plant permitted capacity: \_\_\_\_\_ MGD

16. Wastewater flow being treated at the time samples were collected: \_\_\_\_\_ MGD

**PART III - PATHOGEN MONITORING REPORT**

**FACILITY ID:** FLA014951

**FACILITY NAME:** Key West Resort Utility

**FACILITY ADDRESS:** 6630 Front St., Stock Island, Key West, FL 33045

**PERMITTEE NAME:** Key West Resort Utility, Corp.

**MAILING ADDRESS:** 6630 Front Street, Key West, Florida 33040

**DATE OF SAMPLING:** \_\_\_\_\_

| Parameter  | Quantity or Loading |        | Quality or Concentration |                                  |
|--|---------------------|--------|--------------------------|----------------------------------|
|  | Sample Measurement  | Units  | Sample Measurement       | Units                            |
| Treatment Plant: After Filter<br>Monitoring Site No.   |                     |        |                          |                                  |
| Turbidity<br>PARM Code 00070   |                     |        |                          | NTU                              |
| TSS<br>PARM Code 00530   |                     |        |                          | mg/L                             |
| Treatment Plant: After Disinfection<br>Monitoring Site No.   |                     |        |                          |                                  |
| Total Chlorine Residual<br>PARM Code 50060   |                     |        |                          | mg/L                             |
| Volume Collected<br>PARM Code 71994  |                     | Liters |                          |                                  |
| <i>Giardia</i> , total count *<br>PARM Code GIARD  |                     |        |                          | total cysts/100 L                |
| <i>Giardia</i> , potentially viable cysts *<br>PARM Code VGIAR   |                     |        |                          | potentially viable cysts/100 L   |
| <i>Cryptosporidium</i> , total count *<br>PARM Code CRYPT  |                     |        |                          | total oocysts/100 L              |
| <i>Cryptosporidium</i> , potentially viable oocysts *<br>PARM Code VCRYP                                       |                     |        |                          | potentially viable oocysts/100 L |
| Supplemental Water Supply (surface water or stormwater): After Treatment & Disinfection<br>Monitoring Site No. |                     |        |                          |                                  |
| TSS<br>PARM Code 00530   |                     |        |                          | mg/L                             |
| Total Chlorine Residual<br>PARM Code 50060   |                     |        |                          | mg/L                             |
| Volume Collected<br>PARM Code 71994  |                     | Liters |                          |                                  |
| <i>Giardia</i> (total count) *<br>PARM Code GIARD  |                     |        |                          | total cysts/100 L                |
| <i>Giardia</i> , potentially viable cysts *<br>PARM Code VGIAR   |                     |        |                          | potentially viable cysts/100 L   |
| <i>Cryptosporidium</i> , total count *<br>PARM Code CRYPT  |                     |        |                          | total oocysts/100 L              |
| <i>Cryptosporidium</i> , potentially viable oocysts *<br>PARM Code VCRYP                                       |                     |        |                          | potentially viable oocysts/100 L |

\* Data entries must be made for both total and potentially viable cysts and oocysts.

### PART IV - CERTIFICATION

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

| Name/Title of Principle Executive Officer or Authorized Agent (Type or Print) | Signature of Principle Executive Officer or Authorized Agent | Telephone No | Date (YY/MM/DD) |
|---|--|--------------|-----------------|
|   |  |              |                 |
| Email Address   |  |              |                 |



**STATEMENT OF BASIS  
 FOR  
 STATE OF FLORIDA DOMESTIC WASTEWATER FACILITY PERMIT**

PERMIT NUMBER: FLA014951  
 PA FILE NUMBER: FLA014951-012-DWIP/NR  
 FACILITY NAME: Key West Resort WWTP  
 FACILITY LOCATION: 6630 Front St., Stock Island, Key West, FL 33045  
 Monroe County  
 NAME OF PERMITTEE: Key West Resort Utilities Corporation  
 PERMIT WRITER: Barbara J. Skates

**1. BASIS FOR PERMIT LIMITATIONS AND MONITORING REQUIREMENTS**

This facility is authorized to discharge reclaimed water to Underground Injection Well System U-001 which consists of 2 Class V injection wells discharging to Class G-III ground water based on the following:

| Parameter   | Units   | Max/<br>Min | Limit  | Statistical Basis      | Rationale  |
|---|---------|-------------|--------|------------------------|--|
| Flow  | MGD     | Max         | 0.499  | Annual Average         | 62-600.400(3)(b) FAC   |
|   |         | Max         | Report | Monthly Average        | 62-600.400(3)(b) FAC   |
| BOD, Carbonaceous<br>5 day, 20C                   | mg/L    | Max         | 20.0   | Annual Average         | 403.085(2) & .086(1)(b) FS & 62-600.740(1)(b)1.a. FAC                |
|   |         | Max         | 30.0   | Monthly Average        | 62-600.740(1)(b)1.b. FAC   |
|   |         | Max         | 45.0   | Weekly Average         | 62-600.740(1)(b)1.c. FAC   |
|   |         | Max         | 60.0   | Single Sample          | 62-600.740(1)(b)1.d. FAC   |
| Solids, Total<br>Suspended                        | mg/L    | Max         | 20.0   | Annual Average         | 403.085(2) & .086(1)(b) FS & 62-600.740(1)(b)1.a. FAC                |
|   |         | Max         | 30.0   | Monthly Average        | 62-600.740(1)(b)1.b. FAC   |
|   |         | Max         | 45.0   | Weekly Average         | 62-600.740(1)(b)1.c. FAC   |
|   |         | Max         | 60.0   | Single Sample          | 62-600.740(1)(b)1.d. FAC   |
| Coliform, Fecal                                   | #/100mL | Max         | 200    | Annual Average         | Chapter 99-395, Laws of Florida, Section 6, & 62-600.440(4)(c)1. FAC |
|   |         | Max         | 200    | Monthly Geometric Mean | 62-600.440(4)(c)2. FAC   |
|   |         | Max         | 800    | Single Sample          | 62-600.440(4)(c)4. FAC   |
| pH  | s.u.    | Min         | 6.0    | Single Sample          | 62-600.445 FAC   |
|   |         | Max         | 8.5    | Single Sample          | 62-600.445 FAC   |
| Chlorine, Total<br>Residual (For<br>Disinfection) | mg/L    | Min         | 0.5    | Single Sample          | 62-600.440(4)(b) FAC   |
| Nitrogen, Total                                   | mg/L    | Max         | Report | Single Sample          | Chapter 99-395, Laws of Florida, Section 6                           |
| Phosphorus, Total<br>(as P)                       | mg/L    | Max         | Report | Single Sample          | Chapter 99-395, Laws of Florida, Section 6                           |

This facility is authorized to discharge reclaimed water to Underground Injection Well System U-002 which consists of 2 Class V injection wells discharging to Class G-III ground water based on the following:

PERMITTEE: Key West Resort Utilities, Corp.  
 FACILITY: Key West Resort WWTP

PERMIT NUMBER: INTENT  
 PA FILE NUMBER: INTENT

| Parameter   | Units   | Max/Min | Limit  | Statistical Basis      | Rationale  |
|---|---------|---------|--------|------------------------|--|
| Flow  | MGD     | Max     | 0.499  | Annual Average         | 62-600.400(3)(b) FAC   |
|   |         | Max     | Report | Monthly Average        | 62-600.400(3)(b) FAC   |
| BOD, Carbonaceous<br>5 day, 20C                   | mg/L    | Max     | 5.0    | Annual Average         | Chapter 99-395, Laws of Florida, Section 6, & 62-600.740(1)(b)1.a. FAC |
|   |         | Max     | 6.25   | Monthly Average        | 62-600.740(1)(b)1.b. FAC   |
|   |         | Max     | 7.5    | Weekly Average         | 62-600.740(1)(b)1.c. FAC   |
|   |         | Max     | 10.0   | Single Sample          | 62-600.740(1)(b)1.d. FAC   |
| Solids, Total<br>Suspended                        | mg/L    | Max     | 5.0    | Annual Average         | Chapter 99-395, Laws of Florida, Section 6, & 62-600.740(1)(b)1.a. FAC |
|   |         | Max     | 6.25   | Monthly Average        | 62-600.740(1)(b)1.b. FAC   |
|   |         | Max     | 7.5    | Weekly Average         | 62-600.740(1)(b)1.c. FAC   |
|   |         | Max     | 10.0   | Single Sample          | 62-600.740(1)(b)1.d. FAC   |
| Coliform, Fecal                                   | #/100mL | Max     | 200    | Annual Average         | Chapter 99-395, Laws of Florida, Section 6, & 62-600.440(4)(c)1. FAC   |
|   |         | Max     | 200    | Monthly Geometric Mean | 62-600.440(4)(c)2. FAC   |
|   |         | Max     | 800    | Single Sample          | 62-600.440(4)(c)4. FAC   |
| pH  | s.u.    | Min     | 6.0    | Single Sample          | 62-600.445 FAC   |
|   |         | Max     | 8.5    | Single Sample          | 62-600.445 FAC   |
| Chlorine, Total<br>Residual (For<br>Disinfection) | mg/L    | Min     | 0.5    | Single Sample          | 62-600.440(4)(b) FAC   |
| Nitrogen, Total                                   | mg/L    | Max     | 3.0    | Annual Average         | Chapter 99-395, Laws of Florida, Section 6, & 62-600.740(1)(b)2.a. FAC |
|   |         | Max     | 3.75   | Monthly Average        | 62-600.740(1)(b)2.b. FAC   |
|   |         | Max     | 4.5    | Weekly Average         | 62-600.740(1)(b)2.c. FAC   |
|   |         | Max     | 6.0    | Single Sample          | 62-600.740(1)(b)2.d. FAC   |
| Phosphorus, Total<br>(as P)                       | mg/L    | Max     | 1.0    | Annual Average         | Chapter 99-395, Laws of Florida, Section 6, & 62-600.740(1)(b)2.a. FAC |
|   |         | Max     | 1.25   | Monthly Average        | 62-600.740(1)(b)2.b. FAC   |
|   |         | Max     | 1.5    | Weekly Average         | 62-600.740(1)(b)2.c. FAC   |
|   |         | Max     | 2.0    | Single Sample          | 62-600.740(1)(b)2.d. FAC   |

This facility is authorized to discharge reclaimed water to Underground Injection Well System U-003 which consists of 4 Class V injection wells discharging to Class G-III ground water based on the following:

| Parameter                       | Units | Max/Min | Limit  | Statistical Basis | Rationale  |
|---------------------------------|-------|---------|--------|-------------------|--|
| Flow                            | MGD   | Max     | 0.998  | Annual Average    | 62-600.400(3)(b) FAC   |
|                                 |       | Max     | Report | Monthly Average   | 62-600.400(3)(b) FAC   |
| BOD, Carbonaceous<br>5 day, 20C | mg/L  | Max     | 5.0    | Annual Average    | Chapter 99-395, Laws of Florida, Section 6, & 62-600.740(1)(b)1.a. FAC |
|                                 |       | Max     | 6.25   | Monthly Average   | 62-600.740(1)(b)1.b. FAC   |
|                                 |       | Max     | 7.5    | Weekly Average    | 62-600.740(1)(b)1.c. FAC   |
|                                 |       | Max     | 10.0   | Single Sample     | 62-600.740(1)(b)1.d. FAC   |
| Solids, Total<br>Suspended      | mg/L  | Max     | 5.0    | Annual Average    | Chapter 99-395, Laws of Florida, Section 6, & 62-600.740(1)(b)1.a. FAC |
|                                 |       | Max     | 6.25   | Monthly Average   | 62-600.740(1)(b)1.b. FAC   |
|                                 |       | Max     | 7.5    | Weekly Average    | 62-600.740(1)(b)1.c. FAC   |
|                                 |       | Max     | 10.0   | Single Sample     | 62-600.740(1)(b)1.d. FAC   |

PERMITTEE: Key West Resort Utilities, Corp.  
 FACILITY: Key West Resort WWTP

PERMIT NUMBER: INTENT  
 PA FILE NUMBER: INTENT

| Parameter                                   | Units   | Max/<br>Min | Limit | Statistical Basis      | Rationale  |
|---|---------|-------------|-------|------------------------|--|
| Coliform, Fecal                             | #/100mL | Max         | 200   | Annual Average         | Chapter 99-395, Laws of Florida, Section 6, & 62-600.440(4)(c)1. FAC   |
|   |         | Max         | 200   | Monthly Geometric Mean | 62-600.440(4)(c)2. FAC   |
|   |         | Max         | 800   | Single Sample          | 62-600.440(4)(c)4. FAC   |
| pH  | s.u.    | Min         | 6.0   | Single Sample          | 62-600.445 FAC   |
|   |         | Max         | 8.5   | Single Sample          | 62-600.445 FAC   |
| Chlorine, Total Residual (For Disinfection) | mg/L    | Min         | 0.5   | Single Sample          | 62-600.440(4)(b) FAC   |
| Nitrogen, Total                             | mg/L    | Max         | 3.0   | Annual Average         | Chapter 99-395, Laws of Florida, Section 6, & 62-600.740(1)(b)2.a. FAC |
|   |         | Max         | 3.75  | Monthly Average        | 62-600.740(1)(b)2.b. FAC   |
|   |         | Max         | 4.5   | Weekly Average         | 62-600.740(1)(b)2.c. FAC   |
|   |         | Max         | 6.0   | Single Sample          | 62-600.740(1)(b)2.d. FAC   |
| Phosphorus, Total (as P)                    | mg/L    | Max         | 1.0   | Annual Average         | Chapter 99-395, Laws of Florida, Section 6, & 62-600.740(1)(b)2.a. FAC |
|   |         | Max         | 1.25  | Monthly Average        | 62-600.740(1)(b)2.b. FAC   |
|   |         | Max         | 1.5   | Weekly Average         | 62-600.740(1)(b)2.c. FAC   |
|   |         | Max         | 2.0   | Single Sample          | 62-600.740(1)(b)2.d. FAC   |

This facility is authorized to direct reclaimed water to Reuse System R-001, a slow-rate public access system, based on the following:

| Parameter                                   | Units        | Max/<br>Min | Limit  | Statistical Basis | Rationale  |
|---|--------------|-------------|--------|-------------------|--|
| Flow  | MGD          | Max         | 1.0    | Annual Average    | 62-600.400(3)(b) & 62-610.810(5) FAC                 |
| Flow  | MGD          | Max         | 0.06   | Annual Average    | 62-600.400(3)(b) FAC                                 |
| BOD, Carbonaceous 5 day, 20C                | mg/L         | Max         | 20.0   | Annual Average    | 62-610.460 & 62-600.740(1)(b)1.a. FAC                |
|   |              | Max         | 30.0   | Monthly Average   | 62-600.740(1)(b)1.b. FAC                             |
|   |              | Max         | 45.0   | Weekly Average    | 62-600.740(1)(b)1.c. FAC                             |
|   |              | Max         | 60.0   | Single Sample     | 62-600.740(1)(b)1.d. FAC                             |
| Solids, Total Suspended                     | mg/L         | Max         | 5.0    | Single Sample     | 62-610.460(1) & 62-600.440(5)(f)3. FAC               |
| Coliform, Fecal                             | #/100mL      | Max         | 25     | Single Sample     | 62-610.460 & 62-600.440(5)(f)2. FAC                  |
| Coliform, Fecal, % less than detection      | percent      | Min         | 75     | Monthly Total     | 62-600.440(5)(f)1. FAC                               |
| pH  | s.u.         | Min         | 6.0    | Single Sample     | 62-600.445 FAC                                       |
|   |              | Max         | 8.5    | Single Sample     | 62-600.445 FAC                                       |
| Chlorine, Total Residual (For Disinfection) | mg/L         | Min         | 1.0    | Single Sample     | 62-600.440(5)(b), 62-610.460(2), & 62-610.463(2) FAC |
| Turbidity                                   | NTU          | Max         | Report | Single Sample     | 62-610.463(2) FAC                                    |
| Giardia                                     | cysts/100L   | Max         | Report | Single Sample     | 62-610.463(4) FAC                                    |
| Cryptosporidium                             | oocysts/100L | Max         | Report | Single Sample     | 62-610.463(4) FAC                                    |

This facility is authorized to direct reclaimed water to Reuse System R-002, a slow-rate public access system, based on the following:

PERMITTEE: Key West Resort Utilities, Corp.  
 FACILITY: Key West Resort WWTP

PERMIT NUMBER: INTENT  
 PA FILE NUMBER: INTENT

| Parameter                                   | Units        | Max/Min | Limit  | Statistical Basis | Rationale  |
|---|--------------|---------|--------|-------------------|--|
| Flow  | MGD          | Max     | 1.0    | Annual Average    | 62-600.400(3)(b) & 62-610.810(5) FAC                 |
| Flow  | MGD          | Max     | 0.060  | Annual Average    | 62-600.400(3)(b) & 62-610.810(5) FAC                 |
| Flow  | MGD          | Max     | 0.040  | Annual Average    | 62-600.400(3)(b) & 62-610.810(5) FAC                 |
| Flow  | MGD          | Max     | 0.010  | Annual Average    | 62-600.400(3)(b) & 62-610.810(5) FAC                 |
| BOD, Carbonaceous<br>5 day, 20C             | mg/L         | Max     | 20.0   | Annual Average    | 62-610.460 & 62-600.740(1)(b)1.a. FAC                |
|   |              | Max     | 30.0   | Monthly Average   | 62-600.740(1)(b)1.b. FAC                             |
|   |              | Max     | 45.0   | Weekly Average    | 62-600.740(1)(b)1.c. FAC                             |
|   |              | Max     | 60.0   | Single Sample     | 62-600.740(1)(b)1.d. FAC                             |
| Solids, Total Suspended                     | mg/L         | Max     | 5.0    | Single Sample     | 62-610.460(1) & 62-600.440(5)(f)3. FAC               |
| Coliform, Fecal                             | #/100mL      | Max     | 25     | Single Sample     | 62-610.460 & 62-600.440(5)(f)2. FAC                  |
| Coliform, Fecal, % less than detection      | percent      | Min     | 75     | Monthly Total     | 62-600.440(5)(f)1. FAC                               |
| pH  | s.u.         | Min     | 6.0    | Single Sample     | 62-600.445 FAC                                       |
|   |              | Max     | 8.5    | Single Sample     | 62-600.445 FAC                                       |
| Chlorine, Total Residual (For Disinfection) | mg/L         | Min     | 1.0    | Single Sample     | 62-600.440(5)(b), 62-610.460(2), & 62-610.463(2) FAC |
| Turbidity                                   | NTU          | Max     | Report | Single Sample     | 62-610.463(2) FAC                                    |
| Giardia                                     | cysts/100L   | Max     | Report | Single Sample     | 62-610.463(4) FAC                                    |
| Cryptosporidium                             | oocysts/100L | Max     | Report | Single Sample     | 62-610.463(4) FAC                                    |

Other Limitations and Monitoring Requirements:

| Parameter  | Units   | Max/Min | Limit  | Statistical Basis       | Rationale   |
|--|---------|---------|--------|-------------------------|---|
| BOD, Carbonaceous 5 day, 20C (Influent)            | mg/L    | Max     | Report | Single Sample           | 62-601.300(1) FAC   |
| Solids, Total Suspended (Influent)                 | mg/L    | Max     | Report | Single Sample           | 62-601.300(1) FAC   |
| Percent Capacity, (TMADF/Permitted Capacity) x 100 | percent | Max     | Report | 3-Month Rolling Average |   |
| Flow   | MGD     | Max     | 0.499  | Annual Average          | 62-600.400(3)(b) & 62-610.810(5) FAC  |
|  |         | Max     | Report | Monthly Average         |   |
|  |         | Max     | Report | Quarterly Average       |   |
| Monitoring Frequencies and Sample Types            | -       | -       | -      | All Parameters          | 62-601 FAC & 62-699 FAC and/or BPJ of permit writer                                       |
| Sampling Locations                                 | -       | -       | -      | All Parameters          | 62-601, 62-610.412, 62-610.463(1), 62-610.568, 62-610.613 FAC and/or BPJ of permit writer |

2. BIOSOLIDS MANAGEMENT REQUIREMENTS

PERMITTEE: Key West Resort Utilities, Corp.  
 FACILITY: Key West Resort WWTP

PERMIT NUMBER: INTENT  
 PA FILE NUMBER: INTENT

Biosolids generated by this facility may be transferred to be determined or disposed of in a Class I solid waste landfill.

See the table below for the rationale for the biosolids quantities monitoring requirements.

| Parameter                        | Units          | Max/<br>Min | Limit  | Statistical Basis | Rationale              |
|----------------------------------|----------------|-------------|--------|-------------------|------------------------|
| Biosolids Quantity (Landfilled)  | dry tons       | Max         | Report | Monthly Total     | 62-640.650(5)(a)1. FAC |
| Biosolids Quantity (Transferred) | dry tons       | Max         | Report | Monthly Total     | 62-640.650(5)(a)1. FAC |
| Monitoring Frequency             | All Parameters |             |        |                   | 62-640.650(5)(a) FAC   |

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, South District Branch Office, 2796 Overseas Highway, Suite 221, Marathon, FL, 33050

PERMITTEE NAME: Key West Resort Utility, Corp.  
 MAILING ADDRESS: 6630 Front Street  
 Key West, Florida 33040-  
 FACILITY: Key West Resort Utility WWTP  
 LOCATION: 6630 Front St., Stock Island  
 Key West, FL 33045-  
 COUNTY: Monroe  
 OFFICE: South District

PERMIT NUMBER: FLA014951-012-DW1P  
 LIMIT: Final  
 CLASS SIZE: N/A  
 MONITORING GROUP NUMBER: R-001  
 MONITORING GROUP DESCRIPTION: reuse, with Influent  
 RE-SUBMITTED DMR:   
 NO DISCHARGE FROM SITE:   
 MONITORING PERIOD From: \_\_\_\_\_ To: \_\_\_\_\_  
 REPORT FREQUENCY: Monthly  
 PROGRAM: Domestic

| Parameter                                  |                    | Quantity or Loading | Units | Quality or Concentration |                   |                   | Units   | No. Ex. | Frequency of Analysis | Sample Type    |
|--|--------------------|---------------------|-------|--------------------------|-------------------|-------------------|---------|---------|-----------------------|----------------|
| Flow                                       | Sample Measurement |                     |       |                          |                   |                   |         |         |                       |                |
| PARM Code 50050 Y<br>Mon. Site No. FLW-003 | Permit Requirement | 1.0<br>(An.Avg.)    | MGD   |                          |                   |                   |         |         | 5 Days/Week           | Flow Totalizer |
| Flow                                       | Sample Measurement |                     |       |                          |                   |                   |         |         |                       |                |
| PARM Code 50050 1<br>Mon. Site No. FLW-004 | Permit Requirement | 0.06<br>(An.Avg.)   | MGD   |                          |                   |                   |         |         | 5 Days/Week           | Flow Totalizer |
| BOD, Carbonaceous 5 day, 20C               | Sample Measurement |                     |       |                          |                   |                   |         |         |                       |                |
| PARM Code 80082 Y<br>Mon. Site No. EFA-001 | Permit Requirement |                     |       | 20.0<br>(An.Avg.)        |                   |                   | mg/L    |         | Weekly                | 8-hr FPC       |
| BOD, Carbonaceous 5 day, 20C               | Sample Measurement |                     |       |                          |                   |                   |         |         |                       |                |
| PARM Code 80082 A<br>Mon. Site No. EFA-001 | Permit Requirement |                     |       | 60.0<br>(Max.)           | 45.0<br>(Wk.Avg.) | 30.0<br>(Mo.Avg.) | mg/L    |         | Weekly                | 8-hr FPC       |
| Solids, Total Suspended                    | Sample Measurement |                     |       |                          |                   |                   |         |         |                       |                |
| PARM Code 00530 B<br>Mon. Site No. EFB-001 | Permit Requirement |                     |       |                          |                   | 5.0<br>(Max.)     | mg/L    |         | Daily; 24 hours       | Grab           |
| Coliform, Fecal                            | Sample Measurement |                     |       |                          |                   |                   |         |         |                       |                |
| PARM Code 74055 A<br>Mon. Site No. EFA-001 | Permit Requirement |                     |       |                          |                   | 25<br>(Max.)      | #/100ml |         | Daily; 24 hours       | Grab           |

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 (mm/dd/yyyy) |
|---|--|--------------|-------------------|
|   |  |              |                   |

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

ISSUANCE/REISSUANCE DATE:  
 DMR EFFECTIVE DATE: 1st day of the 2nd month following effective date of permit - Permit expiration

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Key West Resort Utility WWTP

MONITORING GROUP NUMBER: R-001

PERMIT NUMBER: FLA014951-012-DW1P

MONITORING PERIOD From: \_\_\_\_\_ To: \_\_\_\_\_

| Parameter  |                    | Quantity or Loading |                     | Units | Quality or Concentration |                      | Units   | No. Ex. | Frequency of Analysis | Sample Type |
|--|--------------------|---------------------|---------------------|-------|--------------------------|----------------------|---------|---------|-----------------------|-------------|
| Coliform, Fecal, % less than detection<br>PARM Code 51005 A<br>Mon. Site No. EFA-001             | Sample Measurement |                     |                     |       |                          |                      |         |         |                       |             |
|  | Permit Requirement |                     |                     |       | 75<br>(Min.Mo.Total)     |                      | percent |         | Daily; 24 hours       | Calculated  |
| pH<br>PARM Code 00400 A<br>Mon. Site No. EFA-001   | Sample Measurement |                     |                     |       |                          |                      |         |         |                       |             |
|  | Permit Requirement |                     |                     |       | 6.0<br>(Min.)            | 8.5<br>(Max.)        | s.u.    |         | 5 Days/Week           | Grab        |
| Chlorine, Total Residual (For Disinfection)<br>PARM Code 50060 A<br>Mon. Site No. EFA-001        | Sample Measurement |                     |                     |       |                          |                      |         |         |                       |             |
|  | Permit Requirement |                     |                     |       | 1.0<br>(Min.)            |                      | mg/L    |         | Continuous            | Meter       |
| Turbidity<br>PARM Code 00070 B<br>Mon. Site No. EFB-001  | Sample Measurement |                     |                     |       |                          |                      |         |         |                       |             |
|  | Permit Requirement |                     |                     |       |                          | Report<br>(Max.)     | NTU     |         | Continuous            | Meter       |
| BOD, Carbonaceous 5 day, 20C (Influent)<br>PARM Code 80082 G<br>Mon. Site No. INF-001            | Sample Measurement |                     |                     |       |                          |                      |         |         |                       |             |
|  | Permit Requirement |                     |                     |       |                          | Report<br>(Max.)     | mg/L    |         | Weekly                | 8-hr FPC    |
| Solids, Total Suspended (Influent)<br>PARM Code 00530 G<br>Mon. Site No. INF-001                 | Sample Measurement |                     |                     |       |                          |                      |         |         |                       |             |
|  | Permit Requirement |                     |                     |       |                          | Report<br>(Max.)     | mg/L    |         | Weekly                | 8-hr FPC    |
| Percent Capacity, (TMADF/Permitted Capacity) x 100<br>PARM Code 00180 P<br>Mon. Site No. CAL-001 | Sample Measurement |                     |                     |       |                          |                      |         |         |                       |             |
|  | Permit Requirement |                     |                     |       |                          | Report<br>(3Mo.Avg.) | percent |         | Monthly               | Calculated  |
| Flow<br>PARM Code 50050 P<br>Mon. Site No. FLW-001   | Sample Measurement |                     |                     |       |                          |                      |         |         |                       |             |
|  | Permit Requirement |                     | 0.499<br>(An.Avg.)  | MGD   |                          |                      |         |         | 5 Days/Week           | Calculated  |
| Flow<br>PARM Code 50050 Q<br>Mon. Site No. FLW-001   | Sample Measurement |                     |                     |       |                          |                      |         |         |                       |             |
|  | Permit Requirement | Report<br>(Qt.Avg.) | Report<br>(Mo.Avg.) | MGD   |                          |                      |         |         | 5 Days/Week           | Calculated  |
|  |                    |                     |                     |       |                          |                      |         |         |                       |             |

ISSUANCE/REISSUANCE DATE:  
DMR EFFECTIVE DATE: 1st day of the 2nd month following effective date of permit - Permit expiration

DEP Form 62-620.910(10), Effective Nov. 29, 1994

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, South District Branch Office, 2796 Overseas Highway, Suite 221, Marathon, FL, 33050

PERMITTEE NAME: Key West Resort Utility, Corp.  
 MAILING ADDRESS: 6630 Front Street  
 Key West, Florida 33040-

PERMIT NUMBER: FLA014951-012-DW1P

LIMIT: Final  
 CLASS SIZE: N/A  
 MONITORING GROUP NUMBER: R-002  
 MONITORING GROUP DESCRIPTION: after completion of construction and flow to facility is equal to or greater than 0.500 MGD

REPORT FREQUENCY: Monthly  
 PROGRAM: Domestic

FACILITY: Key West Resort Utility WWTP  
 LOCATION: 6630 Front St., Stock Island

Key West, FL 33045-

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    |          |
|--|--------------------|---------------------|-------|--------------------------|-------------------|-------------------|-----------------------|----------------|----------|
| Flow                                       | Sample Measurement |                     |       |                          |                   |                   |                       |                |          |
| PARM Code 50050 Y<br>Mon. Site No. FLW-003 | Permit Requirement | 1.0<br>(An.Avg.)    | MGD   |                          |                   |                   | 5 Days/Week           | Flow Totalizer |          |
| Flow                                       | Sample Measurement |                     |       |                          |                   |                   |                       |                |          |
| PARM Code 50050 I<br>Mon. Site No. FLW-004 | Permit Requirement | 0.060<br>(An.Avg.)  | MGD   |                          |                   |                   | 5 Days/Week           | Flow Totalizer |          |
| Flow                                       | Sample Measurement |                     |       |                          |                   |                   |                       |                |          |
| PARM Code 50050 P<br>Mon. Site No. FLW-005 | Permit Requirement | 0.040<br>(An.Avg.)  | MGD   |                          |                   |                   | 5 Days/Week           | Flow Totalizer |          |
| Flow                                       | Sample Measurement |                     |       |                          |                   |                   |                       |                |          |
| PARM Code 50050 Q<br>Mon. Site No. FLW-006 | Permit Requirement | 0.010<br>(An.Avg.)  | MGD   |                          |                   |                   | 5 Days/Week           | Flow Totalizer |          |
| BOD, Carbonaceous 5 day, 20C               | Sample Measurement |                     |       |                          |                   |                   |                       |                |          |
| PARM Code 80082 Y<br>Mon. Site No. EFA-001 | Permit Requirement |                     |       | 20.0<br>(An.Avg.)        | mg/L              |                   | Weekly                | 8-hr FPC       |          |
| BOD, Carbonaceous 5 day, 20C               | Sample Measurement |                     |       |                          |                   |                   |                       |                |          |
| PARM Code 80082 A<br>Mon. Site No. EFA-001 | Permit Requirement |                     |       | 60.0<br>(Max.)           | 45.0<br>(Wk.Avg.) | 30.0<br>(Mo.Avg.) | mg/L                  | Weekly         | 8-hr FPC |

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 (mm/dd/yyyy) |
|---|--|--------------|-------------------|
|   |  |              |                   |

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

ISSUANCE/REISSUANCE DATE:  
 DMR EFFECTIVE DATE: 1st day of the 2nd month following effective date of permit - Permit expiration

DEP Form 62-620.910(10), Effective Nov. 29, 1994



DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Key West Resort Utility WWTP

MONITORING GROUP NUMBER: R-002  
 MONITORING PERIOD From: \_\_\_\_\_ To: \_\_\_\_\_

PERMIT NUMBER: FLA014951-012-DW1P

| Parameter                                   |                    | Quantity or Loading | Units | Quality or Concentration | Units            | No. Ex. | Frequency of Analysis | Sample Type |
|---|--------------------|---------------------|-------|--------------------------|------------------|---------|-----------------------|-------------|
| Solids, Total Suspended                     | Sample Measurement |                     |       |                          |                  |         |                       |             |
| PARM Code 00530 B<br>Mon. Site No. EFB-001  | Permit Requirement |                     |       | 5.0<br>(Max.)            | mg/L             |         | Daily; 24 hours       | Grab        |
| Coliform, Fecal                             | Sample Measurement |                     |       |                          |                  |         |                       |             |
| PARM Code 74055 A<br>Mon. Site No. EFA-001  | Permit Requirement |                     |       | 25<br>(Max.)             | #/100mL          |         | Daily; 24 hours       | Grab        |
| Coliform, Fecal, % less than detection      | Sample Measurement |                     |       |                          |                  |         |                       |             |
| PARM Code 51005 A<br>Mon. Site No. EFA-001  | Permit Requirement |                     |       | 75<br>(Min. Mo. Total)   | percent          |         | Daily; 24 hours       | Calculated  |
| pH  | Sample Measurement |                     |       |                          |                  |         |                       |             |
| PARM Code 00400 A<br>Mon. Site No. EFA-001  | Permit Requirement |                     |       | 6.0<br>(Min.)            | 8.5<br>(Max.)    | s.u.    | 5 Days/Week           | Grab        |
| Chlorine, Total Residual (For Disinfection) | Sample Measurement |                     |       |                          |                  |         |                       |             |
| PARM Code 50060 A<br>Mon. Site No. EFA-001  | Permit Requirement |                     |       | 1.0<br>(Min.)            | mg/L             |         | Continuous            | Meter       |
| Turbidity                                   | Sample Measurement |                     |       |                          |                  |         |                       |             |
| PARM Code 00070 B<br>Mon. Site No. EFB-001  | Permit Requirement |                     |       |                          | Report<br>(Max.) | NTU     | Continuous            | Meter       |
|   |                    |                     |       |                          |                  |         |                       |             |
|   |                    |                     |       |                          |                  |         |                       |             |
|   |                    |                     |       |                          |                  |         |                       |             |
|   |                    |                     |       |                          |                  |         |                       |             |
|   |                    |                     |       |                          |                  |         |                       |             |

ISSUANCE/REISSUANCE DATE:  
 DMR EFFECTIVE DATE: 1st day of the 2nd month following effective date of permit - Permit expiration

DEP Form 62-620.910(10), Effective Nov. 29, 1994

Docket No. 150071-SU  
 Engineering MFRs  
 Exhibit CAJ-2, Page 246 of 346

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, South District Branch Office, 2796 Overseas Highway, Suite 221, Marathon, FL, 33050

PERMITTEE NAME: Key West Resort Utility, Corp.  
 MAILING ADDRESS: 6630 Front Street  
 Key West, Florida 33040-

PERMIT NUMBER: FLA014951-012-DW1P

LIMIT: Final  
 CLASS SIZE: N/A  
 MONITORING GROUP NUMBER: U-001  
 MONITORING GROUP DESCRIPTION: two current Class V injection wells  
 RE-SUBMITTED DMR:   
 NO DISCHARGE FROM SITE:   
 MONITORING PERIOD From: \_\_\_\_\_ To: \_\_\_\_\_

REPORT FREQUENCY: Monthly  
 PROGRAM: Domestic

FACILITY: Key West Resort Utility WWTP  
 LOCATION: 6630 Front St., Stock Island  
 Key West, FL 33045-

COUNTY: Monroe  
 OFFICE: South District

| Parameter                                  |                    | Quantity or Loading | Units | Quality or Concentration |                   |                   | Units | No. Ex. | Frequency of Analysis    | Sample Type    |
|--|--------------------|---------------------|-------|--------------------------|-------------------|-------------------|-------|---------|--------------------------|----------------|
| Flow                                       | Sample Measurement |                     |       |                          |                   |                   |       |         |                          |                |
| PARM Code 50050 Y<br>Mon. Site No. FLW-002 | Permit Requirement | 0.499<br>(An.Avg.)  | MGD   |                          |                   |                   |       |         | 5 Days/Week              | Flow Totalizer |
| Flow                                       | Sample Measurement |                     |       |                          |                   |                   |       |         |                          |                |
| PARM Code 50050 I<br>Mon. Site No. FLW-002 | Permit Requirement | Report<br>(Mo.Avg.) | MGD   |                          |                   |                   |       |         | 5 Days/Week              | Flow Totalizer |
| BOD, Carbonaceous 5 day, 20C               | Sample Measurement |                     |       |                          |                   |                   |       |         |                          |                |
| PARM Code 80082 Y<br>Mon. Site No. EFA-001 | Permit Requirement |                     |       | 20.0<br>(An.Avg.)        |                   |                   | mg/L  |         | Bi-weekly; every 2 weeks | 8-hr FPC       |
| BOD, Carbonaceous 5 day, 20C               | Sample Measurement |                     |       |                          |                   |                   |       |         |                          |                |
| PARM Code 80082 A<br>Mon. Site No. EFA-001 | Permit Requirement |                     |       | 60.0<br>(Max.)           | 45.0<br>(Wk.Avg.) | 30.0<br>(Mo.Avg.) | mg/L  |         | Bi-weekly; every 2 weeks | 8-hr FPC       |
| Solids, Total Suspended                    | Sample Measurement |                     |       |                          |                   |                   |       |         |                          |                |
| PARM Code 00530 Y<br>Mon. Site No. EFA-001 | Permit Requirement |                     |       |                          | 20.0<br>(An.Avg.) |                   | mg/L  |         | Bi-weekly; every 2 weeks | 8-hr FPC       |
| Solids, Total Suspended                    | Sample Measurement |                     |       |                          |                   |                   |       |         |                          |                |
| PARM Code 00530 A<br>Mon. Site No. EFA-001 | Permit Requirement |                     |       | 60.0<br>(Max.)           | 45.0<br>(Wk.Avg.) | 30.0<br>(Mo.Avg.) | mg/L  |         | Bi-weekly; every 2 weeks | 8-hr FPC       |

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 (mm/dd/yyyy) |
|---|--|--------------|-------------------|
|   |  |              |                   |

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

ISSUANCE/REISSUANCE DATE:  
 DMR EFFECTIVE DATE: 1st day of the 2nd month following effective date of permit - Permit expiration

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Key West Resort Utility WWTP

MONITORING GROUP U-001  
 NUMBER:  
 MONITORING PERIOD From: \_\_\_\_\_ To: \_\_\_\_\_

PERMIT NUMBER: FLA014951-012-DWIP

| Parameter                                      |                    | Quantity or Loading | Units | Quality or Concentration | Units            | No. Ex. | Frequency of Analysis       | Sample Type |
|--|--------------------|---------------------|-------|--------------------------|------------------|---------|-----------------------------|-------------|
| Coliform, Fecal                                | Sample Measurement |                     |       |                          |                  |         |                             |             |
| PARM Code 74055 Y<br>Mon. Site No. EFA-001     | Permit Requirement |                     |       | 200<br>(An.Avg.)         | #/100mL          |         | Bi-weekly; every<br>2 weeks | Grab        |
| Coliform, Fecal                                | Sample Measurement |                     |       |                          |                  |         |                             |             |
| PARM Code 74055 A<br>Mon. Site No. EFA-001     | Permit Requirement |                     |       | 200<br>(Mo.Geo.Mn.)      | 800<br>(Max.)    | #/100mL | Bi-weekly; every<br>2 weeks | Grab        |
| pH   | Sample Measurement |                     |       |                          |                  |         |                             |             |
| PARM Code 00400 A<br>Mon. Site No. EFA-001     | Permit Requirement |                     |       | 6.0<br>(Min.)            | 8.5<br>(Max.)    | s.u.    | 5 Days/Week                 | Grab        |
| Chlorine, Total Residual (For<br>Disinfection) | Sample Measurement |                     |       |                          |                  |         |                             |             |
| PARM Code 50060 A<br>Mon. Site No. EFA-001     | Permit Requirement |                     |       | 0.5<br>(Min.)            |                  | mg/L    | 5 Days/Week                 | Grab        |
| Nitrogen, Total                                | Sample Measurement |                     |       |                          |                  |         |                             |             |
| PARM Code 00600 A<br>Mon. Site No. EFA-001     | Permit Requirement |                     |       |                          | Report<br>(Max.) | mg/L    | Bi-weekly; every<br>2 weeks | 8-hr FPC    |
| Phosphorus, Total (as P)                       | Sample Measurement |                     |       |                          |                  |         |                             |             |
| PARM Code 00665 A<br>Mon. Site No. EFA-001     | Permit Requirement |                     |       |                          | Report<br>(Max.) | mg/L    | Bi-weekly; every<br>2 weeks | 8-hr FPC    |
|  |                    |                     |       |                          |                  |         |                             |             |
|  |                    |                     |       |                          |                  |         |                             |             |
|  |                    |                     |       |                          |                  |         |                             |             |
|  |                    |                     |       |                          |                  |         |                             |             |

ISSUANCE/REISSUANCE DATE:  
 DMR EFFECTIVE DATE: 1st day of the 2nd month following effective date of permit - Permit expiration

DEP Form 62-620.910(10), Effective Nov. 29, 1994

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, South District Branch Office, 2796 Overseas Highway, Suite 221, Marathon, FL, 33050

PERMITTEE NAME: Key West Resort Utility, Corp.  
 MAILING ADDRESS: 6630 Front Street  
 Key West, Florida 33040-  
 FACILITY: Key West Resort Utility WWTP  
 LOCATION: 6630 Front St., Stock Island  
 Key West, FL 33045-  
 COUNTY: Monroe  
 OFFICE: South District

PERMIT NUMBER: FLA014951-012-DW1P  
 LIMIT: Final  
 CLASS SIZE: N/A  
 MONITORING GROUP NUMBER: U-002  
 MONITORING GROUP DESCRIPTION: U-001 after December 31, 2015  
 RE-SUBMITTED DMR:   
 NO DISCHARGE FROM SITE:   
 MONITORING PERIOD From: \_\_\_\_\_ To: \_\_\_\_\_  
 REPORT FREQUENCY: Monthly  
 PROGRAM: Domestic

| Parameter                                  |                    | Quantity or Loading | Units | Quality or Concentration |                  |                   | Units | No. Ex. | Frequency of Analysis    | Sample Type    |
|--|--------------------|---------------------|-------|--------------------------|------------------|-------------------|-------|---------|--------------------------|----------------|
| Flow                                       | Sample Measurement |                     |       |                          |                  |                   |       |         |                          |                |
| PARM Code 50050 Y<br>Mon. Site No. FLW-002 | Permit Requirement | 0.499<br>(An.Avg.)  | MGD   |                          |                  |                   |       |         | 5 Days/Week              | Flow Totalizer |
| Flow                                       | Sample Measurement |                     |       |                          |                  |                   |       |         |                          |                |
| PARM Code 50050 I<br>Mon. Site No. FLW-002 | Permit Requirement | Repon<br>(Mo.Avg.)  | MGD   |                          |                  |                   |       |         | 5 Days/Week              | Flow Totalizer |
| BOD, Carbonaceous 5 day, 20C               | Sample Measurement |                     |       |                          |                  |                   |       |         |                          |                |
| PARM Code 80082 Y<br>Mon. Site No. EFA-001 | Permit Requirement |                     |       | 5.0<br>(An.Avg.)         |                  |                   | mg/L  |         | Bi-weekly; every 2 weeks | 8-hr FPC       |
| BOD, Carbonaceous 5 day, 20C               | Sample Measurement |                     |       |                          |                  |                   |       |         |                          |                |
| PARM Code 80082 A<br>Mon. Site No. EFA-001 | Permit Requirement |                     |       | 10.0<br>(Max.)           | 7.5<br>(Wk.Avg.) | 6.25<br>(Mo.Avg.) | mg/L  |         | Bi-weekly; every 2 weeks | 8-hr FPC       |
| Solids, Total Suspended                    | Sample Measurement |                     |       |                          |                  |                   |       |         |                          |                |
| PARM Code 00530 Y<br>Mon. Site No. EFA-001 | Permit Requirement |                     |       |                          | 5.0<br>(An.Avg.) |                   | mg/L  |         | Bi-weekly; every 2 weeks | 8-hr FPC       |
| Solids, Total Suspended                    | Sample Measurement |                     |       |                          |                  |                   |       |         |                          |                |
| PARM Code 00530 A<br>Mon. Site No. EFA-001 | Permit Requirement |                     |       | 10.0<br>(Max.)           | 7.5<br>(Wk.Avg.) | 6.25<br>(Mo.Avg.) | mg/L  |         | Bi-weekly; every 2 weeks | 8-hr FPC       |

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 (mm/dd/yyyy) |
|---|--|--------------|-------------------|
|   |  |              |                   |

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

ISSUANCE/REISSUANCE DATE:

DMR EFFECTIVE DATE: 1st day of the 2nd month following effective date of permit - Permit expiration

DEP Form 62-620.910(10), Effective Nov. 29, 1994

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Key West Resort Utility WWTP

MONITORING GROUP NUMBER: U-002

PERMIT NUMBER: FLA014951-012-DW1P

MONITORING PERIOD From: \_\_\_\_\_ To: \_\_\_\_\_

| Parameter                                   |                    | Quantity or Loading | Units | Quality or Concentration |                  |                   | Units   | No. Ex. | Frequency of Analysis       | Sample Type |
|---|--------------------|---------------------|-------|--------------------------|------------------|-------------------|---------|---------|-----------------------------|-------------|
| Coliform, Fecal                             | Sample Measurement |                     |       |                          |                  |                   |         |         |                             |             |
| PARM Code 74055 Y<br>Mon. Site No. EFA-001  | Permit Requirement |                     |       | 200<br>(An.Avg.)         |                  |                   | #/100mL |         | Bi-weekly, every<br>2 weeks | Grab        |
| Coliform, Fecal                             | Sample Measurement |                     |       |                          |                  |                   |         |         |                             |             |
| PARM Code 74055 A<br>Mon. Site No. EFA-001  | Permit Requirement |                     |       | 200<br>(Mo.Geo.Mn.)      | 800<br>(Max.)    |                   | #/100mL |         | Bi-weekly, every<br>2 weeks | Grab        |
| pH  | Sample Measurement |                     |       |                          |                  |                   |         |         |                             |             |
| PARM Code 00400 A<br>Mon. Site No. EFA-001  | Permit Requirement |                     |       | 6.0<br>(Min.)            |                  | 8.5<br>(Max.)     | s.u.    |         | 5 Days/Week                 | Grab        |
| Chlorine, Total Residual (For Disinfection) | Sample Measurement |                     |       |                          |                  |                   |         |         |                             |             |
| PARM Code 50060 A<br>Mon. Site No. EFA-001  | Permit Requirement |                     |       | 0.5<br>(Min.)            |                  |                   | mg/L    |         | 5 Days/Week                 | Grab        |
| Nitrogen, Total                             | Sample Measurement |                     |       |                          |                  |                   |         |         |                             |             |
| PARM Code 00600 Y<br>Mon. Site No. EFA-001  | Permit Requirement |                     |       | 3.0<br>(An.Avg.)         |                  |                   | mg/L    |         | Bi-weekly, every<br>2 weeks | 8-hr FPC    |
| Nitrogen, Total                             | Sample Measurement |                     |       |                          |                  |                   |         |         |                             |             |
| PARM Code 00600 A<br>Mon. Site No. EFA-001  | Permit Requirement |                     |       | 6.0<br>(Max.)            | 4.5<br>(Wk.Avg.) | 3.75<br>(Mo.Avg.) | mg/L    |         | Bi-weekly, every<br>2 weeks | 8-hr FPC    |
| Phosphorus, Total (as P)                    | Sample Measurement |                     |       |                          |                  |                   |         |         |                             |             |
| PARM Code 00665 Y<br>Mon. Site No. EFA-001  | Permit Requirement |                     |       | 1.0<br>(An.Avg.)         |                  |                   | mg/L    |         | Bi-weekly, every<br>2 weeks | 8-hr FPC    |
| Phosphorus, Total (as P)                    | Sample Measurement |                     |       |                          |                  |                   |         |         |                             |             |
| PARM Code 00665 A<br>Mon. Site No. EFA-001  | Permit Requirement |                     |       | 2.0<br>(Max.)            | 1.5<br>(Wk.Avg.) | 1.25<br>(Mo.Avg.) | mg/L    |         | Bi-weekly, every<br>2 weeks | 8-hr FPC    |
|   |                    |                     |       |                          |                  |                   |         |         |                             |             |
|   |                    |                     |       |                          |                  |                   |         |         |                             |             |

ISSUANCE/REISSUANCE DATE:  
DMR EFFECTIVE DATE: 1st day of the 2nd month following effective date of permit - Permit expiration

DEP Form 62-620.910(10), Effective Nov. 29, 1994

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, South District Branch Office, 2796 Overseas Highway, Suite 221, Marathon, FL. 33050

PERMITTEE NAME: Key West Resort Utility, Corp.  
 MAILING ADDRESS: 6630 Front Street  
 Key West, Florida 33040-

PERMIT NUMBER: FLA014951-012-DW1P

LIMIT: Final  
 CLASS SIZE: N/A  
 MONITORING GROUP NUMBER: U-003  
 MONITORING GROUP DESCRIPTION: The two current permitted wells plus the two new constructed/operated Class 5 wells - when the WWTP flows are equal to or greater than .500 MGD or After December 31, 2015

REPORT FREQUENCY: Monthly  
 PROGRAM: Domestic

FACILITY: Key West Resort Utility WWTP  
 LOCATION: 6630 Front St., Stock Island

Key West, FL 33045-

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    |
|--|--------------------|---------------------|-------|--------------------------|------------------|-------------------|-------|---------|-----------------------|----------------|
| Flow                                       | Sample Measurement |                     |       |                          |                  |                   |       |         |                       |                |
| PARM Code 50050 Y<br>Mon. Site No. FLW-002 | Permit Requirement | 0.998<br>(An.Avg.)  | MGD   |                          |                  |                   |       |         | 5 Days/Week           | Flow Totalizer |
| Flow                                       | Sample Measurement |                     |       |                          |                  |                   |       |         |                       |                |
| PARM Code 50050 I<br>Mon. Site No. FLW-002 | Permit Requirement | Report<br>(Mo.Avg.) | MGD   |                          |                  |                   |       |         | 5 Days/Week           | Flow Totalizer |
| BOD, Carbonaceous 5 day, 20C               | Sample Measurement |                     |       |                          |                  |                   |       |         |                       |                |
| PARM Code 80082 Y<br>Mon. Site No. EFA-001 | Permit Requirement |                     |       |                          | 5.0<br>(An.Avg.) |                   | mg/L  |         | Weekly                | 8-hr FPC       |
| BOD, Carbonaceous 5 day, 20C               | Sample Measurement |                     |       |                          |                  |                   |       |         |                       |                |
| PARM Code 80082 A<br>Mon. Site No. EFA-001 | Permit Requirement |                     |       | 10.0<br>(Max.)           | 7.5<br>(Wk.Avg.) | 6.25<br>(Mo.Avg.) | mg/L  |         | Weekly                | 8-hr FPC       |
| Solids, Total Suspended                    | Sample Measurement |                     |       |                          |                  |                   |       |         |                       |                |
| PARM Code 00530 Y<br>Mon. Site No. EFA-001 | Permit Requirement |                     |       |                          | 5.0<br>(An.Avg.) |                   | mg/L  |         | Weekly                | 8-hr FPC       |
| Solids, Total Suspended                    | Sample Measurement |                     |       |                          |                  |                   |       |         |                       |                |
| PARM Code 00530 A<br>Mon. Site No. EFA-001 | Permit Requirement |                     |       | 10.0<br>(Max.)           | 7.5<br>(Wk.Avg.) | 6.25<br>(Mo.Avg.) | mg/L  |         | Weekly                | 8-hr FPC       |

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 (mm/dd/yyyy) |
|---|--|--------------|-------------------|
|   |  |              |                   |

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

ISSUANCE/REISSUANCE DATE:  
 DMR EFFECTIVE DATE: 1st day of the 2nd month following effective date of permit - Permit expiration

DEP Form 62-620.910(10), Effective Nov. 29, 1994

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Key West Resort Utility WWTP

MONITORING GROUP U-003  
 NUMBER:  
 MONITORING PERIOD From: \_\_\_\_\_ To: \_\_\_\_\_

PERMIT NUMBER: FLA014951-012-DW1P

| Parameter                                   |                    | Quantity or Loading | Units | Quality or Concentration |                  |                   | Units   | No. Ex. | Frequency of Analysis | Sample Type |
|---|--------------------|---------------------|-------|--------------------------|------------------|-------------------|---------|---------|-----------------------|-------------|
| Coliform, Fecal                             | Sample Measurement |                     |       |                          |                  |                   |         |         |                       |             |
| PARM Code 74055 Y<br>Mon. Site No. EFA-001  | Permit Requirement |                     |       | 200<br>(An.Avg.)         |                  |                   | #/100mL |         | Weekly                | Grab        |
| Coliform, Fecal                             | Sample Measurement |                     |       |                          |                  |                   |         |         |                       |             |
| PARM Code 74055 A<br>Mon. Site No. EFA-001  | Permit Requirement |                     |       | 200<br>(Mo.Geo.Mn.)      | 800<br>(Max.)    |                   | #/100mL |         | Weekly                | Grab        |
| pH  | Sample Measurement |                     |       |                          |                  |                   |         |         |                       |             |
| PARM Code 00400 A<br>Mon. Site No. EFA-001  | Permit Requirement |                     |       | 6.0<br>(Min.)            |                  | 8.5<br>(Max.)     | s.u.    |         | 5 Days/Week           | Grab        |
| Chlorine, Total Residual (For Disinfection) | Sample Measurement |                     |       |                          |                  |                   |         |         |                       |             |
| PARM Code 50060 A<br>Mon. Site No. EFA-001  | Permit Requirement |                     |       | 0.5<br>(Min.)            |                  |                   | mg/L    |         | 5 Days/Week           | Grab        |
| Nitrogen, Total                             | Sample Measurement |                     |       |                          |                  |                   |         |         |                       |             |
| PARM Code 00600 Y<br>Mon. Site No. EFA-001  | Permit Requirement |                     |       |                          | 3.0<br>(An.Avg.) |                   | mg/L    |         | Weekly                | 8-hr FPC    |
| Nitrogen, Total                             | Sample Measurement |                     |       |                          |                  |                   |         |         |                       |             |
| PARM Code 00600 A<br>Mon. Site No. EFA-001  | Permit Requirement |                     |       | 6.0<br>(Max.)            | 4.5<br>(Wk.Avg.) | 3.75<br>(Mo.Avg.) | mg/L    |         | Weekly                | 8-hr FPC    |
| Phosphorus, Total (as P)                    | Sample Measurement |                     |       |                          |                  |                   |         |         |                       |             |
| PARM Code 00665 Y<br>Mon. Site No. EFA-001  | Permit Requirement |                     |       |                          | 1.0<br>(An.Avg.) |                   | mg/L    |         | Weekly                | 8-hr FPC    |
| Phosphorus, Total (as P)                    | Sample Measurement |                     |       |                          |                  |                   |         |         |                       |             |
| PARM Code 00665 A<br>Mon. Site No. EFA-001  | Permit Requirement |                     |       | 2.0<br>(Max.)            | 1.5<br>(Wk.Avg.) | 1.25<br>(Mo.Avg.) | mg/L    |         | Weekly                | 8-hr FPC    |
|   |                    |                     |       |                          |                  |                   |         |         |                       |             |
|   |                    |                     |       |                          |                  |                   |         |         |                       |             |

ISSUANCE/REISSUANCE DATE:

DMR EFFECTIVE DATE: 1st day of the 2nd month following effective date of permit - Permit expiration

DEP Form 62-620.910(10), Effective Nov. 29, 1994

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, South District Branch Office, 2796 Overseas Highway, Suite 221, Marathon, FL, 33050

PERMITTEE NAME: Key West Resort Utility, Corp.  
 MAILING ADDRESS: 6630 Front Street  
 Key West, Florida 33040-

PERMIT NUMBER: FLA014951-012-DW1P

LIMIT: Final  
 CLASS SIZE: N/A  
 MONITORING GROUP NUMBER: RMP-Q  
 MONITORING GROUP DESCRIPTION: Biosolids Quantity

REPORT FREQUENCY: Monthly  
 PROGRAM: Domestic

FACILITY LOCATION: Key West Resort Utility WWTP  
 6630 Front St., Stock Island  
 Key West, FL 33045-

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

COUNTY OFFICE: Monroe South District

| Parameter                                 |                    | Quantity or Loading | Units    | Quality or Concentration | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|--------------------|---------------------|----------|--------------------------|-------|---------|-----------------------|-------------|
| Biosolids Quantity (Landfilled)           | Sample Measurement |                     |          |                          |       |         |                       |             |
| PARM Code B0008 +<br>Mon. Site No. RMP-01 | Permit Requirement | Report (Mo. Total)  | dry tons |                          |       |         | Monthly               | Calculated  |
| Biosolids Quantity (Transferred)          | Sample Measurement |                     |          |                          |       |         |                       |             |
| PARM Code B0007 +<br>Mon. Site No. RMP-01 | Permit Requirement | Report (Mo. Total)  | dry tons |                          |       |         | Monthly               | Calculated  |
|   |                    |                     |          |                          |       |         |                       |             |
|   |                    |                     |          |                          |       |         |                       |             |
|   |                    |                     |          |                          |       |         |                       |             |
|   |                    |                     |          |                          |       |         |                       |             |
|   |                    |                     |          |                          |       |         |                       |             |

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 (mm/dd/yyyy) |
|---|--|--------------|-------------------|
|   |  |              |                   |

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

ISSUANCE/REISSUANCE DATE:  
 DMR EFFECTIVE DATE: 1st day of the 2nd month following effective date of permit - Permit expiration



DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, South District Branch Office, 2796 Overseas Highway, Suite 221, Marathon, FL, 33050

PERMITTEE NAME: Key West Resort Utility, Corp.  
MAILING ADDRESS: 6630 Front Street  
Key West, Florida 33040-

PERMIT NUMBER: FLA014951-012-DW1P

FACILITY: Key West Resort Utility WWTP  
LOCATION: 6630 Front St., Stock Island  
Key West, FL 33045-

LIMIT: Final  
CLASS SIZE: N/A  
MONITORING GROUP NUMBER: RWS-A  
MONITORING GROUP DESCRIPTION: Annual Reclaimed Water or Effluent Analysis  
RE-SUBMITTED DMR:   
NO DISCHARGE FROM SITE:   
MONITORING NOT REQUIRED:   
MONITORING PERIOD From: \_\_\_\_\_ To: \_\_\_\_\_

REPORT FREQUENCY: Annually  
PROGRAM: Domestic

COUNTY: Monroe  
OFFICE: South District

| Parameter   |                    | Quantity or Loading | Units | Quality or Concentration | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|--------------------|---------------------|-------|--------------------------|-------|---------|-----------------------|-------------|
| Antimony, Total Recoverable (GWS = 6)*<br>PARM Code 01268 P<br>Mon. Site No. RWS-A  | Sample Measurement |                     |       |                          |       |         |                       |             |
|   | Permit Requirement |                     |       | Report (Max.)            | ug/L  |         | Annually              | 24-hr FPC   |
| Arsenic, Total Recoverable (GWS = 10)<br>PARM Code 00978 P<br>Mon. Site No. RWS-A   | Sample Measurement |                     |       |                          |       |         |                       |             |
|   | Permit Requirement |                     |       | Report (Max.)            | ug/L  |         | Annually              | 24-hr FPC   |
| Barium, Total Recoverable (GWS = 2,000)<br>PARM Code 01009 P<br>Mon. Site No. RWS-A | Sample Measurement |                     |       |                          |       |         |                       |             |
|   | Permit Requirement |                     |       | Report (Max.)            | ug/L  |         | Annually              | 24-hr FPC   |
| Beryllium, Total Recoverable (GWS = 4)<br>PARM Code 00998 P<br>Mon. Site No. RWS-A  | Sample Measurement |                     |       |                          |       |         |                       |             |
|   | Permit Requirement |                     |       | Report (Max.)            | ug/L  |         | Annually              | 24-hr FPC   |
| Cadmium, Total Recoverable (GWS = 5)<br>PARM Code 01113 P<br>Mon. Site No. RWS-A    | Sample Measurement |                     |       |                          |       |         |                       |             |
|   | Permit Requirement |                     |       | Report (Max.)            | ug/L  |         | Annually              | 24-hr FPC   |
| Chromium, Total Recoverable (GWS = 100)<br>PARM Code 01118 P<br>Mon. Site No. RWS-A | Sample Measurement |                     |       |                          |       |         |                       |             |
|   | Permit Requirement |                     |       | Report (Max.)            | ug/L  |         | Annually              | 24-hr FPC   |

\*GROUND WATER STANDARD (GWS) FOR REFERENCE AND REVIEW ONLY.

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 (mm/dd/yyyy) |
|---|--|--------------|-------------------|
|   |  |              |                   |

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

ISSUANCE/REISSUANCE DATE:  
DMR EFFECTIVE DATE: 1st day of the 2nd month following effective date of permit - Permit expiration

DEP Form 62-620 910(10), Effective Nov. 29, 1994

Docket No. 150071-SU  
Engineering MFRs  
Exhibit CAJ-2, Page 254 of 346

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Key West Resort Utility WWTP

MONITORING GROUP: RWS-A  
 NUMBER:  
 MONITORING PERIOD From: \_\_\_\_\_ To: \_\_\_\_\_

PERMIT NUMBER: FLA014951-012-DW1P

| Parameter   |                    | Quantity or Loading | Units | Quality or Concentration | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|--------------------|---------------------|-------|--------------------------|-------|---------|-----------------------|-------------|
| Cyanide, Free (amen. to chlorination)(GWS = 200)<br>PARM Code 00722 P<br>Mon. Site No. RWS-A    | Sample Measurement |                     |       |                          |       |         |                       |             |
|   | Permit Requirement |                     |       | Report (Max.)            | ug/L  |         | Annually              | Grab        |
| Fluoride, Total (as F) (GWS = 4.0/2.0)<br>PARM Code 00951 P<br>Mon. Site No. RWS-A              | Sample Measurement |                     |       |                          |       |         |                       |             |
|   | Permit Requirement |                     |       | Report (Max.)            | mg/L  |         | Annually              | 24-hr FPC   |
| Lead, Total Recoverable (GWS = 15)<br>PARM Code 01114 P<br>Mon. Site No. RWS-A                  | Sample Measurement |                     |       |                          |       |         |                       |             |
|   | Permit Requirement |                     |       | Report (Max.)            | ug/L  |         | Annually              | 24-hr FPC   |
| Mercury, Total Recoverable (GWS = 2)<br>PARM Code 71901 P<br>Mon. Site No. RWS-A                | Sample Measurement |                     |       |                          |       |         |                       |             |
|   | Permit Requirement |                     |       | Report (Max.)            | ug/L  |         | Annually              | 24-hr FPC   |
| Nickel, Total Recoverable (GWS = 100)<br>PARM Code 01074 P<br>Mon. Site No. RWS-A               | Sample Measurement |                     |       |                          |       |         |                       |             |
|   | Permit Requirement |                     |       | Report (Max.)            | ug/L  |         | Annually              | 24-hr FPC   |
| Nitrogen, Nitrate, Total (as N) (GWS = 10)<br>PARM Code 00620 P<br>Mon. Site No. RWS-A          | Sample Measurement |                     |       |                          |       |         |                       |             |
|   | Permit Requirement |                     |       | Report (Max.)            | mg/L  |         | Annually              | 24-hr FPC   |
| Nitrogen, Nitrite, Total (as N) (GWS = 1)<br>PARM Code 00615 P<br>Mon. Site No. RWS-A           | Sample Measurement |                     |       |                          |       |         |                       |             |
|   | Permit Requirement |                     |       | Report (Max.)            | mg/L  |         | Annually              | 24-hr FPC   |
| Nitrite plus Nitrate, Total I det. (as N)(GWS = 10)<br>PARM Code 00630 P<br>Mon. Site No. RWS-A | Sample Measurement |                     |       |                          |       |         |                       |             |
|   | Permit Requirement |                     |       | Report (Max.)            | mg/L  |         | Annually              | 24-hr FPC   |
| Selenium, Total Recoverable (GWS =50)<br>PARM Code 00981 P<br>Mon. Site No. RWS-A               | Sample Measurement |                     |       |                          |       |         |                       |             |
|   | Permit Requirement |                     |       | Report (Max.)            | ug/L  |         | Annually              | 24-hr FPC   |
| Sodium, Total Recoverable (GWS = 160)<br>PARM Code 00923 P<br>Mon. Site No. RWS-A               | Sample Measurement |                     |       |                          |       |         |                       |             |
|   | Permit Requirement |                     |       | Report (Max.)            | mg/L  |         | Annually              | 24-hr FPC   |

ISSUANCE/REISSUANCE DATE:  
 DMR EFFECTIVE DATE: 1st day of the 2nd month following effective date of permit - Permit expiration

DEP Form 62-620.910(10), Effective Nov. 29, 1994

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Key West Resort Utility WWTP

MONITORING GROUP  
NUMBER:  
MONITORING PERIOD

RWS-A

PERMIT NUMBER: FLA014951-012-DW1P

From: \_\_\_\_\_ To: \_\_\_\_\_

| Parameter                                |                    | Quantity or Loading | Units | Quality or Concentration | Units | No. Ex. | Frequency of Analysis | Sample Type |
|--|--------------------|---------------------|-------|--------------------------|-------|---------|-----------------------|-------------|
| Thallium, Total Recoverable (GWS = 2)    | Sample Measurement |                     |       |                          |       |         |                       |             |
| PARM Code 00982 P<br>Mon. Site No. RWS-A | Permit Requirement |                     |       | Report (Max.)            | ug/L  |         | Annually              | 24-hr FPC   |
| 1,1-dichloroethylene (GWS = 7)           | Sample Measurement |                     |       |                          |       |         |                       |             |
| PARM Code 34501 P<br>Mon. Site No. RWS-A | Permit Requirement |                     |       | Report (Max.)            | ug/L  |         | Annually              | Grab        |
| 1,1,1-trichloroethane (GWS = 200)        | Sample Measurement |                     |       |                          |       |         |                       |             |
| PARM Code 34506 P<br>Mon. Site No. RWS-A | Permit Requirement |                     |       | Report (Max.)            | ug/L  |         | Annually              | Grab        |
| 1,1,2-trichloroethane (GWS = 5)          | Sample Measurement |                     |       |                          |       |         |                       |             |
| PARM Code 34511 P<br>Mon. Site No. RWS-A | Permit Requirement |                     |       | Report (Max.)            | ug/L  |         | Annually              | Grab        |
| 1,2-dichloroethane (GWS = 3)             | Sample Measurement |                     |       |                          |       |         |                       |             |
| PARM Code 32103 P<br>Mon. Site No. RWS-A | Permit Requirement |                     |       | Report (Max.)            | ug/L  |         | Annually              | Grab        |
| 1,2-dichloropropane (GWS = 5)            | Sample Measurement |                     |       |                          |       |         |                       |             |
| PARM Code 34541 P<br>Mon. Site No. RWS-A | Permit Requirement |                     |       | Report (Max.)            | ug/L  |         | Annually              | Grab        |
| 1,2,4-trichlorobenzene (GWS = 70)        | Sample Measurement |                     |       |                          |       |         |                       |             |
| PARM Code 34551 P<br>Mon. Site No. RWS-A | Permit Requirement |                     |       | Report (Max.)            | ug/L  |         | Annually              | 24-hr FPC   |
| Benzene (GWS = 1)                        | Sample Measurement |                     |       |                          |       |         |                       |             |
| PARM Code 34030 P<br>Mon. Site No. RWS-A | Permit Requirement |                     |       | Report (Max.)            | ug/L  |         | Annually              | Grab        |
| Carbon tetrachloride (GWS = 3)           | Sample Measurement |                     |       |                          |       |         |                       |             |
| PARM Code 32102 P<br>Mon. Site No. RWS-A | Permit Requirement |                     |       | Report (Max.)            | ug/L  |         | Annually              | Grab        |
| Cis-1,2-dichloroethene (GWS = 70)        | Sample Measurement |                     |       |                          |       |         |                       |             |
| PARM Code 81686 P<br>Mon. Site No. RWS-A | Permit Requirement |                     |       | Report (Max.)            | ug/L  |         | Annually              | Grab        |

ISSUANCE/REISSUANCE DATE:  
DMR EFFECTIVE DATE: 1st day of the 2nd month following effective date of permit - Permit expiration

DEP Form 62-620,910(10), Effective Nov. 29, 1994

## DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Key West Resort Utility WWTP

MONITORING GROUP  
NUMBER:  
MONITORING PERIOD

RWS-A

PERMIT NUMBER: FLA014951-012-DW1P

From: \_\_\_\_\_ To: \_\_\_\_\_

| Parameter                                     |                    | Quantity or Loading | Units | Quality or Concentration | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|--------------------|---------------------|-------|--------------------------|-------|---------|-----------------------|-------------|
| Dichloromethane (methylene chloride)(GWS = 5) | Sample Measurement |                     |       |                          |       |         |                       |             |
| PARM Code 03821 P<br>Mon. Site No. RWS-A      | Permit Requirement |                     |       | Report (Max.)            | ug/L  |         | Annually              | Grab        |
| Ethylbenzene (GWS = 700)                      | Sample Measurement |                     |       |                          |       |         |                       |             |
| PARM Code 34371 P<br>Mon. Site No. RWS-A      | Permit Requirement |                     |       | Report (Max.)            | ug/L  |         | Annually              | Grab        |
| Monochlorobenzene (GWS = 100)                 | Sample Measurement |                     |       |                          |       |         |                       |             |
| PARM Code 34031 P<br>Mon. Site No. RWS-A      | Permit Requirement |                     |       | Report (Max.)            | ug/L  |         | Annually              | Grab        |
| 1,2-dichlorobenzene (GWS = 600)               | Sample Measurement |                     |       |                          |       |         |                       |             |
| PARM Code 34536 P<br>Mon. Site No. RWS-A      | Permit Requirement |                     |       | Report (Max.)            | ug/L  |         | Annually              | Grab        |
| 1,4-dichlorobenzene (GWS = 75)                | Sample Measurement |                     |       |                          |       |         |                       |             |
| PARM Code 34571 P<br>Mon. Site No. RWS-A      | Permit Requirement |                     |       | Report (Max.)            | ug/L  |         | Annually              | Grab        |
| Styrene, Total (GWS = 100)                    | Sample Measurement |                     |       |                          |       |         |                       |             |
| PARM Code 77128 P<br>Mon. Site No. RWS-A      | Permit Requirement |                     |       | Report (Max.)            | ug/L  |         | Annually              | Grab        |
| Tetrachloroethylene (GWS = 3)                 | Sample Measurement |                     |       |                          |       |         |                       |             |
| PARM Code 34475 P<br>Mon. Site No. RWS-A      | Permit Requirement |                     |       | Report (Max.)            | ug/L  |         | Annually              | Grab        |
| Toluene (GWS = 1,000)                         | Sample Measurement |                     |       |                          |       |         |                       |             |
| PARM Code 34010 P<br>Mon. Site No. RWS-A      | Permit Requirement |                     |       | Report (Max.)            | ug/L  |         | Annually              | Grab        |
| 1,2-trans-dichloroethylene (GWS = 100)        | Sample Measurement |                     |       |                          |       |         |                       |             |
| PARM Code 34546 P<br>Mon. Site No. RWS-A      | Permit Requirement |                     |       | Report (Max.)            | ug/L  |         | Annually              | Grab        |
| Trichloroethylene (GWS = 3)                   | Sample Measurement |                     |       |                          |       |         |                       |             |
| PARM Code 39180 P<br>Mon. Site No. RWS-A      | Permit Requirement |                     |       | Report (Max.)            | ug/L  |         | Annually              | Grab        |

ISSUANCE/REISSUANCE DATE:

DMR EFFECTIVE DATE: 1st day of the 2nd month following effective date of permit - Permit expiration

DEP Form 62-620.910(10), Effective Nov. 29, 1994

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Key West Resort Utility WWTP

MONITORING GROUP  
NUMBER:  
MONITORING PERIOD

RWS-A

PERMIT NUMBER: FLA014951-012-DW1P

From: \_\_\_\_\_ To: \_\_\_\_\_

| Parameter  |                    | Quantity or Loading | Units | Quality or Concentration | Units | No. Ex. | Frequency of Analysis | Sample Type |
|--|--------------------|---------------------|-------|--------------------------|-------|---------|-----------------------|-------------|
| Vinyl chloride<br>(GWS = 1)<br>PARM Code 39175 P<br>Mon. Site No. RWS-A                                    | Sample Measurement |                     |       |                          |       |         |                       |             |
|  | Permit Requirement |                     |       |                          |       |         | Annually              | Grab        |
| Xylenes<br>(GWS = 10,000)<br>PARM Code 81551 P<br>Mon. Site No. RWS-A                                      | Sample Measurement |                     |       |                          |       |         |                       |             |
|  | Permit Requirement |                     |       |                          |       |         | Annually              | Grab        |
| 2,3,7,8-tetrachlorodibenzo-p-dioxin(GWS = 3x10 <sup>-5</sup> )<br>PARM Code 34675 P<br>Mon. Site No. RWS-A | Sample Measurement |                     |       |                          |       |         |                       |             |
|  | Permit Requirement |                     |       |                          |       |         | Annually              | 24-hr FPC   |
| 2,4-dichlorophenoxyacetic acid<br>(GWS = 70)<br>PARM Code 39730 P<br>Mon. Site No. RWS-A                   | Sample Measurement |                     |       |                          |       |         |                       |             |
|  | Permit Requirement |                     |       |                          |       |         | Annually              | 24-hr FPC   |
| Silvex<br>(GWS = 50)<br>PARM Code 39760 P<br>Mon. Site No. RWS-A   | Sample Measurement |                     |       |                          |       |         |                       |             |
|  | Permit Requirement |                     |       |                          |       |         | Annually              | 24-hr FPC   |
| Alachlor<br>(GWS = 2)<br>PARM Code 39161 P<br>Mon. Site No. RWS-A  | Sample Measurement |                     |       |                          |       |         |                       |             |
|  | Permit Requirement |                     |       |                          |       |         | Annually              | 24-hr FPC   |
| Atrazine<br>(GWS = 3)<br>PARM Code 39033 P<br>Mon. Site No. RWS-A  | Sample Measurement |                     |       |                          |       |         |                       |             |
|  | Permit Requirement |                     |       |                          |       |         | Annually              | 24-hr FPC   |
| Benzo(a)pyrene<br>(GWS = 0.2)<br>PARM Code 34247 P<br>Mon. Site No. RWS-A                                  | Sample Measurement |                     |       |                          |       |         |                       |             |
|  | Permit Requirement |                     |       |                          |       |         | Annually              | 24-hr FPC   |
| Carbofuran<br>(GWS = 40)<br>PARM Code 81405 P<br>Mon. Site No. RWS-A                                       | Sample Measurement |                     |       |                          |       |         |                       |             |
|  | Permit Requirement |                     |       |                          |       |         | Annually              | 24-hr FPC   |
| Chlordane (tech mix. and metabolites)(GWS = 2)<br>PARM Code 39350 P<br>Mon. Site No. RWS-A                 | Sample Measurement |                     |       |                          |       |         |                       |             |
|  | Permit Requirement |                     |       |                          |       |         | Annually              | 24-hr FPC   |

ISSUANCE/REISSUANCE DATE:  
DMR EFFECTIVE DATE: 1st day of the 2nd month following effective date of permit - Permit expiration

DEP Form 62-620.910(10), Effective Nov. 29, 1994

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Key West Resort Utility WWTP

MONITORING GROUP: RWS-A

PERMIT NUMBER: FLA014951-012-DW1P

NUMBER:

MONITORING PERIOD

From: \_\_\_\_\_ To: \_\_\_\_\_

| Parameter  |                    | Quantity or Loading | Units | Quality or Concentration | Units         | No. Ex. | Frequency of Analysis | Sample Type |
|--|--------------------|---------------------|-------|--------------------------|---------------|---------|-----------------------|-------------|
| Dalapon<br>(GWS = 200)<br>PARM Code 38432 P<br>Mon. Site No. RWS-A                             | Sample Measurement |                     |       |                          |               |         |                       |             |
|  | Permit Requirement |                     |       |                          | Report (Max.) | ug/L    | Annually              | 24-hr FPC   |
| Bis(2-ethylhexyl)adipate<br>(GWS = 400)<br>PARM Code 77903 P<br>Mon. Site No. RWS-A            | Sample Measurement |                     |       |                          |               |         |                       |             |
|  | Permit Requirement |                     |       |                          | Report (Max.) | ug/L    | Annually              | 24-hr FPC   |
| Bis (2-ethylhexyl) phthalate<br>(GWS = 6)<br>PARM Code 39100 P<br>Mon. Site No. RWS-A          | Sample Measurement |                     |       |                          |               |         |                       |             |
|  | Permit Requirement |                     |       |                          | Report (Max.) | ug/L    | Annually              | 24-hr FPC   |
| Dibromochloropropane (DBCP)<br>(GWS = 0.2)<br>PARM Code 82625 P<br>Mon. Site No. RWS-A         | Sample Measurement |                     |       |                          |               |         |                       |             |
|  | Permit Requirement |                     |       |                          | Report (Max.) | ug/L    | Annually              | Grab        |
| Dinoseb<br>(GWS = 7)<br>PARM Code 30191 P<br>Mon. Site No. RWS-A                               | Sample Measurement |                     |       |                          |               |         |                       |             |
|  | Permit Requirement |                     |       |                          | Report (Max.) | ug/L    | Annually              | 24-hr FPC   |
| Diquat<br>(GWS = 20)<br>PARM Code 04443 P<br>Mon. Site No. RWS-A                               | Sample Measurement |                     |       |                          |               |         |                       |             |
|  | Permit Requirement |                     |       |                          | Report (Max.) | ug/L    | Annually              | 24-hr FPC   |
| Endothall<br>(GWS = 100)<br>PARM Code 38926 P<br>Mon. Site No. RWS-A                           | Sample Measurement |                     |       |                          |               |         |                       |             |
|  | Permit Requirement |                     |       |                          | Report (Max.) | ug/L    | Annually              | 24-hr FPC   |
| Endrin<br>(GWS = 2)<br>PARM Code 39390 P<br>Mon. Site No. RWS-A                                | Sample Measurement |                     |       |                          |               |         |                       |             |
|  | Permit Requirement |                     |       |                          | Report (Max.) | ug/L    | Annually              | 24-hr FPC   |
| Ethylene dibromide (1,2-dibromoethane)(GWS = 0.02)<br>PARM Code 77651 P<br>Mon. Site No. RWS-A | Sample Measurement |                     |       |                          |               |         |                       |             |
|  | Permit Requirement |                     |       |                          | Report (Max.) | ug/L    | Annually              | Grab        |
| Glyphosate<br>(GWS = 0.7)<br>PARM Code 79743 P<br>Mon. Site No. RWS-A                          | Sample Measurement |                     |       |                          |               |         |                       |             |
|  | Permit Requirement |                     |       |                          | Report (Max.) | mg/L    | Annually              | 24-hr FPC   |

ISSUANCE/REISSUANCE DATE:

DMR EFFECTIVE DATE: 1st day of the 2nd month following effective date of permit - Permit expiration

DEP Form 62-620.910(10), Effective Nov. 29, 1994

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Key West Resort Utility WWTP

MONITORING GROUP: RWS-A  
 NUMBER:  
 MONITORING PERIOD From: \_\_\_\_\_ To: \_\_\_\_\_

PERMIT NUMBER: FLA014951-012-DW1P

| Parameter  |                    | Quantity or Loading | Units | Quality or Concentration | Units | No. Ex. | Frequency of Analysis | Sample Type |
|--|--------------------|---------------------|-------|--------------------------|-------|---------|-----------------------|-------------|
| Heptachlor<br>(GWS = 0.4)<br>PARM Code 39410 P<br>Mon. Site No. RWS-A                      | Sample Measurement |                     |       |                          |       |         |                       |             |
|  | Permit Requirement |                     |       | Report (Max.)            | ug/L  |         | Annually              | 24-hr FPC   |
| Heptachlor epoxide<br>(GWS = 0.2)<br>PARM Code 39420 P<br>Mon. Site No. RWS-A              | Sample Measurement |                     |       |                          |       |         |                       |             |
|  | Permit Requirement |                     |       | Report (Max.)            | ug/L  |         | Annually              | 24-hr FPC   |
| Hexachlorobenzene<br>(GWS = 1)<br>PARM Code 39700 P<br>Mon. Site No. RWS-A                 | Sample Measurement |                     |       |                          |       |         |                       |             |
|  | Permit Requirement |                     |       | Report (Max.)            | ug/L  |         | Annually              | 24-hr FPC   |
| Hexachlorocyclopentadiene<br>(GWS = 50)<br>PARM Code 34386 P<br>Mon. Site No. RWS-A        | Sample Measurement |                     |       |                          |       |         |                       |             |
|  | Permit Requirement |                     |       | Report (Max.)            | ug/L  |         | Annually              | 24-hr FPC   |
| Gamma BHC (Lindane)<br>(GWS = 0.2)<br>PARM Code 39782 P<br>Mon. Site No. RWS-A             | Sample Measurement |                     |       |                          |       |         |                       |             |
|  | Permit Requirement |                     |       | Report (Max.)            | ug/L  |         | Annually              | 24-hr FPC   |
| Methoxychlor<br>(GWS = 40)<br>PARM Code 39480 P<br>Mon. Site No. RWS-A                     | Sample Measurement |                     |       |                          |       |         |                       |             |
|  | Permit Requirement |                     |       | Report (Max.)            | ug/L  |         | Annually              | 24-hr FPC   |
| Oxamyl (vydate)<br>(GWS = 200)<br>PARM Code 38865 P<br>Mon. Site No. RWS-A                 | Sample Measurement |                     |       |                          |       |         |                       |             |
|  | Permit Requirement |                     |       | Report (Max.)            | ug/L  |         | Annually              | 24-hr FPC   |
| Pentachlorophenol<br>(GWS = 1)<br>PARM Code 39032 P<br>Mon. Site No. RWS-A                 | Sample Measurement |                     |       |                          |       |         |                       |             |
|  | Permit Requirement |                     |       | Report (Max.)            | ug/L  |         | Annually              | 24-hr FPC   |
| Picloram<br>(GWS = 500)<br>PARM Code 39720 P<br>Mon. Site No. RWS-A                        | Sample Measurement |                     |       |                          |       |         |                       |             |
|  | Permit Requirement |                     |       | Report (Max.)            | ug/L  |         | Annually              | 24-hr FPC   |
| Polychlorinated Biphenyls<br>(PCBs)(GWS = 0.5)<br>PARM Code 39516 P<br>Mon. Site No. RWS-A | Sample Measurement |                     |       |                          |       |         |                       |             |
|  | Permit Requirement |                     |       | Report (Max.)            | ug/L  |         | Annually              | 24-hr FPC   |

ISSUANCE/REISSUANCE DATE:

DMR EFFECTIVE DATE: 1st day of the 2nd month following effective date of permit - Permit expiration

DEP Form 62-620.910(10), Effective Nov. 29, 1994

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Key West Resort Utility WWTP

MONITORING GROUP  
NUMBER:  
MONITORING PERIOD

RWS-A

PERMIT NUMBER: FLA014951-012-DW1P

From: \_\_\_\_\_ To: \_\_\_\_\_

| Parameter   |                    | Quantity or Loading | Units | Quality or Concentration | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|--------------------|---------------------|-------|--------------------------|-------|---------|-----------------------|-------------|
| Simazine<br>(GWS = 4)<br>PARM Code 39055 P<br>Mon. Site No. RWS-A                           | Sample Measurement |                     |       |                          |       |         |                       |             |
|   | Permit Requirement |                     |       | Report (Max.)            | ug/L  |         | Annually              | 24-hr FPC   |
| Toxaphene<br>(GWS = 3)<br>PARM Code 39400 P<br>Mon. Site No. RWS-A                          | Sample Measurement |                     |       |                          |       |         |                       |             |
|   | Permit Requirement |                     |       | Report (Max.)            | ug/L  |         | Annually              | 24-hr FPC   |
| Trihalomethane, Total by summation(GWS = 0.080)<br>PARM Code 82080 P<br>Mon. Site No. RWS-A | Sample Measurement |                     |       |                          |       |         |                       |             |
|   | Permit Requirement |                     |       | Report (Max.)            | mg/L  |         | Annually              | Grab        |
| Radium 226 + Radium 228, Total<br>(GWS = 5)<br>PARM Code 11503 P<br>Mon. Site No. RWS-A     | Sample Measurement |                     |       |                          |       |         |                       |             |
|   | Permit Requirement |                     |       | Report (Max.)            | pCi/L |         | Annually              | 24-hr FPC   |
| Alpha, Gross Particle Activity<br>(GWS = 15)<br>PARM Code 80045 P<br>Mon. Site No. RWS-A    | Sample Measurement |                     |       |                          |       |         |                       |             |
|   | Permit Requirement |                     |       | Report (Max.)            | pCi/L |         | Annually              | 24-hr FPC   |
| Aluminum, Total Recoverable<br>(GWS = 0.2)<br>PARM Code 01104 P<br>Mon. Site No. RWS-A      | Sample Measurement |                     |       |                          |       |         |                       |             |
|   | Permit Requirement |                     |       | Report (Max.)            | mg/L  |         | Annually              | 24-hr FPC   |
| Chloride (as Cl)<br>(GWS = 250)<br>PARM Code 00940 P<br>Mon. Site No. RWS-A                 | Sample Measurement |                     |       |                          |       |         |                       |             |
|   | Permit Requirement |                     |       | Report (Max.)            | mg/L  |         | Annually              | 24-hr FPC   |
| Iron, Total Recoverable<br>(GWS = 0.3)<br>PARM Code 00980 P<br>Mon. Site No. RWS-A          | Sample Measurement |                     |       |                          |       |         |                       |             |
|   | Permit Requirement |                     |       | Report (Max.)            | mg/L  |         | Annually              | 24-hr FPC   |
| Copper, Total Recoverable<br>(GWS = 1,000)<br>PARM Code 01119 P<br>Mon. Site No. RWS-A      | Sample Measurement |                     |       |                          |       |         |                       |             |
|   | Permit Requirement |                     |       | Report (Max.)            | ug/L  |         | Annually              | 24-hr FPC   |
| Manganese, Total Recoverable<br>(GWS = 50)<br>PARM Code 11123 P<br>Mon. Site No. RWS-A      | Sample Measurement |                     |       |                          |       |         |                       |             |
|   | Permit Requirement |                     |       | Report (Max.)            | ug/L  |         | Annually              | 24-hr FPC   |

ISSUANCE/REISSUANCE DATE:

DMR EFFECTIVE DATE: 1st day of the 2nd month following effective date of permit - Permit expiration

DEP Form 62-620.910(10), Effective Nov. 29, 1994



DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Key West Resort Utility WWTP

MONITORING GROUP: RWS-A  
 NUMBER:  
 MONITORING PERIOD From: \_\_\_\_\_ To: \_\_\_\_\_

PERMIT NUMBER: FLA014951-012-DW1P

| Parameter  |                    | Quantity or Loading |  | Units | Quality or Concentration |               |      | Units | No. Ex.  | Frequency of Analysis | Sample Type |
|--|--------------------|---------------------|--|-------|--------------------------|---------------|------|-------|----------|-----------------------|-------------|
|  |                    |                     |  |       |                          |               |      |       |          |                       |             |
| Silver, Total Recoverable<br>(GWS = 100)<br>PARM Code 01079 P<br>Mon. Site No. RWS-A     | Sample Measurement |                     |  |       |                          |               |      |       |          |                       |             |
|  | Permit Requirement |                     |  |       |                          | Report (Max.) | ug/L |       | Annually | 24-hr FPC             |             |
| Sulfate, Total<br>(GWS = 250)<br>PARM Code 00945 P<br>Mon. Site No. RWS-A                | Sample Measurement |                     |  |       |                          |               |      |       |          |                       |             |
|  | Permit Requirement |                     |  |       |                          | Report (Max.) | mg/L |       | Annually | 24-hr FPC             |             |
| Zinc, Total Recoverable<br>(GWS = 5,000)<br>PARM Code 01094 P<br>Mon. Site No. RWS-A     | Sample Measurement |                     |  |       |                          |               |      |       |          |                       |             |
|  | Permit Requirement |                     |  |       |                          | Report (Max.) | ug/L |       | Annually | 24-hr FPC             |             |
| pH<br>(GWS = 6.5-8.5)<br>PARM Code 00400 P<br>Mon. Site No. RWS-A                        | Sample Measurement |                     |  |       |                          |               |      |       |          |                       |             |
|  | Permit Requirement |                     |  |       |                          | Report (Max.) | s.u. |       | Annually | Grab                  |             |
| Solids, Total Dissolved (TDS)<br>(GWS = 500)<br>PARM Code 70295 P<br>Mon. Site No. RWS-A | Sample Measurement |                     |  |       |                          |               |      |       |          |                       |             |
|  | Permit Requirement |                     |  |       |                          | Report (Max.) | mg/L |       | Annually | 24-hr FPC             |             |
| Foaming Agents<br>(GWS = 0.5)<br>PARM Code 01288 P<br>Mon. Site No. RWS-A                | Sample Measurement |                     |  |       |                          |               |      |       |          |                       |             |
|  | Permit Requirement |                     |  |       |                          | Report (Max.) | mg/L |       | Annually | 24-hr FPC             |             |
|  |                    |                     |  |       |                          |               |      |       |          |                       |             |
|  |                    |                     |  |       |                          |               |      |       |          |                       |             |
|  |                    |                     |  |       |                          |               |      |       |          |                       |             |
|  |                    |                     |  |       |                          |               |      |       |          |                       |             |

ISSUANCE/REISSUANCE DATE:  
 DMR EFFECTIVE DATE: 1st day of the 2nd month following effective date of permit - Permit expiration

DEP Form 62-620.910(10), Effective Nov. 29, 1994

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**DAILY SAMPLE RESULTS - PART B**

Permit Number: FLA014951-012-DWIP Facility: Key West Resort Utility WWTP  
 Monitoring Period From: \_\_\_\_\_ To: \_\_\_\_\_

|           | BOD,<br>Carbonaceous<br>5 day, 20C<br>mg/L | Chlorine,<br>Total<br>Residual (For<br>Disinfection)<br>mg/L | Coliform,<br>Fecal<br>#/100mL | Nitrogen,<br>Total<br>mg/L | Phosphorus,<br>Total (as P)<br>mg/L | Solids, Total<br>Suspended<br>mg/L | pH<br>s u | Solids, Total<br>Suspended<br>mg/L | Turbidity<br>NTU | Flow<br>MGD | Flow<br>MGD |
|-----------|--|--|-------------------------------|----------------------------|-------------------------------------|------------------------------------|-----------|------------------------------------|------------------|-------------|-------------|
| Code      | 80082                                      | 50060  | 74055                         | 00600                      | 00665                               | 00530                              | 00400     | 00530                              | 00070            | 50050       | 50050       |
| Mon. Site | EFA-001                                    | EFA-001  | EFA-001                       | EFA-001                    | EFA-001                             | EFA-001                            | EFA-001   | EFA-001                            | EFA-001          | FLW-002     | FLW-003     |
| 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: \_\_\_\_\_

ISSUANCE/REISSUANCE DATE:

### DAILY SAMPLE RESULTS - PART B

Permit Number: FLA014951-012-DW1P Facility: Key West Resort Utility WWTP  
 Monitoring Period From: \_\_\_\_\_ To: \_\_\_\_\_

|           | Flow MGD | Flow MGD | Flow MGD | Flow MGD | BOD, Carbonaceous 5 day, 20C (Influent) mg/L | Solids, Total Suspended (Influent) mg/L |  |  |  |  |  |
|-----------|----------|----------|----------|----------|--|---|--|--|--|--|--|
| Code      | 50050    | 50050    | 50050    | 50050    | 80082  | 00530                                   |  |  |  |  |  |
| Mon. Site | FLW-003  | FLW-004  | FLW-005  | FLW-006  | INF-001                                      | INF-001                                 |  |  |  |  |  |
| 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: \_\_\_\_\_

ISSUANCE/REISSUANCE DATE:

**INSTRUCTIONS FOR COMPLETING THE WASTEWATER DISCHARGE MONITORING REPORT**

Read these instructions 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 28<sup>th</sup> of the month following the monitoring period. Facilities who submit their DMR(s) electronically through eDMR do not need to submit a hardcopy DMR. 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.

When results are not available, the following codes should be used on parts A and D of the DMR and an explanation provided where appropriate. Note: Codes used on Part B for raw data are different.

| CODE | DESCRIPTION/INSTRUCTIONS             |
|------|--------------------------------------|
| ANC  | Analysis not conducted.              |
| DRY  | Dry Well                             |
| FLD  | Flood disaster.                      |
| IFS  | Insufficient flow for sampling.      |
| LS   | Lost sample.                         |
| MNR  | Monitoring not required this period. |

| CODE | DESCRIPTION/INSTRUCTIONS  |
|------|---|
| NOD  | No discharge from/to site.  |
| OPS  | Operations were shutdown so no sample could be taken.                         |
| OTH  | Other. Please enter an explanation of why monitoring data were not available. |
| SEF  | Sampling equipment failure.   |

When reporting analytical results that fall below a laboratory's reported method detection limits or practical quantification limits, the following instructions should be used, unless indicated otherwise in the permit or on the DMR:

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:

**Resubmitted DMR:** Check this box if this DMR is being re-submitted because there was information missing from or information that needed correction on a previously submitted DMR. The information that is being revised should be clearly noted on the re-submitted DMR (e.g. highlight, circle, etc.)

**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. Data qualifier codes are not to be reported on Part A.

**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 - D. 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.                             |
| Δ    | 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. |

To calculate the monthly average, add each reported value to get a total. For flow, divide this total by the number of days in the month. For all other parameters, divide the total by the number of observations.

**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. Data qualifier codes are not to be reported on Part D.

**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.

**CBOD<sub>5</sub>:** Enter the average CBOD<sub>5</sub> 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

CERTIFIED MAIL NO.: 7005 3110 0002 9314 2648  
RETURN RECEIPT REQUESTED



In the Matter of an  
Application for Permit by:

K W Resort Utility, Corp.  
Christopher Johnson, President  
6630 Front Street  
Key West, Florida 33040

Monroe County-DW  
Key West Resort Utility WWTP  
File Number FLA014951-011-DW2P

## NOTICE OF PERMIT ISSUANCE

Enclosed is Permit Number FLA014951 to operate the Key West Resort Utility 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. Until such time, the permittee shall continue to monitor and report in accordance with previously effective permit requirements, if any.

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 fourteen 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.

Under Rule 62-110.106(4), Florida Administrative Code, a person may request an extension of the time for filing a petition for an administrative hearing. The request must be filed (received by the Clerk) in the Office of General Counsel before the end of the time period for filing a petition for an administrative hearing.

Petitions by the applicant or any of the persons listed below must be filed within fourteen days of receipt of this written notice. Petitions filed by any persons other than those entitled to written notice under Section 120.60(3), Florida Statutes, must be filed within fourteen days of publication of the notice or within fourteen days of receipt of the written notice, whichever occurs first. Section 120.60(3), Florida Statutes, however, also allows that any person who has asked the Department for notice of agency action may file a petition within fourteen days of receipt of such notice, regardless of the date of publication.

PERMITTEE: K W Resort Utility, Corp.  
FACILITY: Key West Resort Utility WWTP

PERMIT NUMBER: FLA014951  
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The petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. The failure of any person to file a petition or request for an extension of time within fourteen 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, as indicated in Rule 28-106.201, Florida Administrative Code:

- (a) The name and address of each agency affected and each agency's file or identification number, if known;
- (b) The name, address, and telephone number of the petitioner; the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the determination;
- (c) A statement of when and how the petitioner received notice of the Department's decision;
- (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;
- (e) A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the Department's proposed action;
- (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the Department's proposed action; and
- (g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the Department to take with respect to the Department's proposed action.

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 (or request for an extension of time) is filed in accordance with the above. Upon the timely filing of a petition (or request for an extension of time), 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, 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 permit action is filed with the Clerk of the Department.

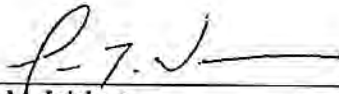


PERMITTEE: K W Resort Utility, Corp.  
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PERMIT NUMBER: FLA014951  
PA FILE NUMBER: FLA014951-011-DW2P

Executed in Fort Myers, Florida

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL PROTECTION

  
\_\_\_\_\_  
Jon M. Iglehart  
Director of  
District Management

FILING AND ACKNOWLEDGMENT

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

CERTIFICATE OF SERVICE

The undersigned hereby certifies that this NOTICE OF PERMIT ISSUANCE and all copies were  
mailed before the close of business on February 20, 2012 to the listed persons.

  
\_\_\_\_\_  
Name

2-20-12  
\_\_\_\_\_  
Date

JMI/BJS/jl

Copies furnished to:  
FDEP Marathon office, e-mail  
Edward R. Castle, P.E. [edrcastle@mc.com](mailto:edrcastle@mc.com)  
Mary Plavumkal, FDEP, e-mail  
David Rhodes, P.G., FDEP, e-mail



# Florida Department of Environmental Protection

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

Docket No. 150071-SU  
Engineering MFRs  
Exhibit CA 22 Page 271 of 348  
**RECEIVED**  
FEB 23 2012  
Rick Scott  
Governor  
By: [Signature]  
Herschel T. Vinyard Jr.  
Secretary

## STATE OF FLORIDA DOMESTIC WASTEWATER FACILITY PERMIT

**PERMITTEE:**

K W Resort Utility, Corp.

**PERMIT NUMBER:**

FLA014951

**FILE NUMBER:**

FLA014951-011-DW2P

**ISSUANCE DATE:**

February 20, 2012

**EXPIRATION DATE:**

February 19, 2017

**RESPONSIBLE OFFICIAL:**

Christopher Johnson, President  
6630 Front Street  
Key West, Florida 33040  
(305) 522-0052

**FACILITY:**

Key West Resort Utility WWTP  
6630 Front Street, Stock Island  
Key West, FL 33045  
Monroe County  
Latitude: 24°34' 2.4058" N      Longitude: 81°44' .7186" 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 operate the facilities in accordance with the documents attached hereto and specifically described as follows:

**WASTEWATER TREATMENT:**

Operate an existing 0.499 million gallons per day (MGD) annual average daily flow (AADF) extended aeration process domestic wastewater treatment plant (WWTP) consisting of dual treatment trains with design flows of 0.249 MGD and 0.25 MGD which are piped together to allow the facility to operate as a single unit. Collection system influent flows to a splitter box which divides the flow to the separate treatment trains. Each train consists of: a bar screen, an aeration basin, an anoxic tank, a re-aeration basin, a clarifier, a sand filter, and a chlorine contact chamber. There are three aerobic digesters; one integrated into each of the treatment trains and a common digester. The biosolids are cured on four sludge drying beds. A reclaimed water sump sends reuse water to the Key West Golf Club storage ponds, the Monroe County Detention Center, or gravity discharge to the two ten-inch underground injection wells.

This WWTP has been modified to meet the advanced wastewater treatment (AWT) standards of Florida Statute 403.086 (10). The extended aeration process will be switched to the AWT nutrient removal system prior to January 01, 2016. The changes to AWT include the addition of an alkalinity control system, a carbon injection system, an alum injection system, along with modifying the mixing and aeration at different phases of the treatment process.

**REUSE OR DISPOSAL:**

**Underground Injection U-001:** An existing 0.499 MGD annual average daily flow permitted capacity underground injection well system consisting of two 10 inch Class V underground injection wells permitted under

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Department permit numbers 184940-018 and 019 discharging to Class G-III ground water are included in this permit. Underground Injection Well System U-001 is located approximately at latitude 24°33' 55" N, longitude 81°44' 51" W.

**Land Application R-001:** R-001 is a reuse system which consists of an existing 0.499 MGD AADF permitted capacity slow-rate public access (R-001) consisting of golf course irrigation at the Key West Golf Course, and toilet flushing, AC makeup water, and fire protection at the Monroe County Detention Center. The Key West Golf Club course irrigation system consists of two interconnected lakes that do not discharge to surface waters.

**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 25 of this permit.

PERMITTEE: K W Resort Utility, Corp.  
 FACILITY: Key West Resort Utility WWTP

PERMIT NUMBER: FLA014951  
 PA FILE NUMBER: FLA014951-011-DW2P

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

**A. Underground Injection Control Systems**

- 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-001. Such discharge shall be limited and monitored by the permittee as specified below and reported in accordance with Permit Condition I.C.7.

| Parameter                                   | Units   | Max/Min                  | Reclaimed Water Limitations |  | Monitoring Requirements |                                     |                        | Notes     |
|---|---------|--------------------------|-----------------------------|--|-------------------------|-------------------------------------|------------------------|-----------|
|   |         |                          | Limit                       | Statistical Basis  | Frequency of Analysis   | Sample Type                         | Monitoring Site Number |           |
| Flow  | MGD     | Max<br>Max               | 0.499<br>Report             | Annual Average<br>Monthly Average                                    | 5 Days/Week             | Recording Flow Meter with Totalizer | FLW-002                | See I.A.4 |
| BOD, Carbonaceous 5 day, 20C                | mg/L    | Max<br>Max<br>Max<br>Max | 20<br>30<br>45<br>60        | Annual Average<br>Monthly Average<br>Weekly Average<br>Single Sample | Every 2 weeks           | 8-hr FPC                            | EFA-001                |           |
| Solids, Total Suspended                     | mg/L    | Max<br>Max<br>Max<br>Max | 20<br>30<br>45<br>60        | Annual Average<br>Monthly Average<br>Weekly Average<br>Single Sample | Every 2 weeks           | 8-hr FPC                            | EFA-001                |           |
| Coliform, Fecal                             | #/100mL | Max<br>Max<br>Max        | 200<br>200<br>800           | Annual Average<br>Monthly Geometric Mean<br>Single Sample            | Every 2 weeks           | Grab                                | EFA-001                | See I.A.5 |
| pH  | s.u.    | Min<br>Max               | 6.0<br>8.5                  | Single Sample<br>Single Sample                                       | 5 Days/Week             | Grab                                | EFA-001                |           |
| Chlorine, Total Residual (For Disinfection) | mg/L    | Min                      | 0.5                         | Single Sample  | 5 Days/Week             | Grab                                | EFA-001                | See I.A.6 |
| Nitrogen, Total                             | mg/L    | Max                      |                             | Report   | Every 2 weeks           | 8-hr FPC                            | EFA-001                |           |
| Phosphorus, Total (as P)                    | mg/L    | Max                      |                             | Report   | Every 2 weeks           | 8-hr FPC                            | EFA-001                |           |

Exhibit CA-2, Page 273 of 346

Docket No. 150071-SU  
Engineering MFRs

PERMITTEE: K W Resort Utility, Corp.  
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2. **Beginning on January 01, 2016, the facility shall either cease all discharge to the injection wells or meet revised annual average effluent limits for certain parameters as shown below. The limits for the other parameters listed in I.A.1. will remain the same.**
- a. Carbonaceous biochemical oxygen demand (CBOD<sub>5</sub>) of 5.0 mg/L;
  - b. Total suspended solids (TSS) of 5.0 mg/L;
  - c. Total nitrogen (as N) of 3.0 mg/L;
  - d. Total phosphorus (as P) of 1.0 mg/L.

*[403.086 (10), F.S.]*

3. 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                                    |
|------------------------|---|
| FLW-002                | Flow measurement for effluent discharge into the injection wells. |
| EFA-001                | After chlorination and prior to the disposal system R-001.        |

4. A recording flow meter with a totalizer shall be utilized to measure flow and calibrated at least once every 12 months. *[62-601.200(17) and .500(6)]*
5. 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)]*
6. 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)]*
7. The permittee shall monitor to ensure proper process control in accordance with the operator sampling and testing schedule included in the facility's Operation and Maintenance Manual. This monitoring may be performed using methods other than those in Chapter 62-160, F.A.C., as long as this data is for process control purposes and is not reported on the Discharge Monitoring Report. *[62-620.320(6)]*

PERMITTEE: K W Resort Utility, Corp.  
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**B. Reuse and Land Application Systems**

1. During the period beginning on the issuance date and lasting through the expiration date of this permit, the permittee is authorized to direct reclaimed water to Reuse System R-001. Such reclaimed water shall be limited and monitored by the permittee as specified below and reported in accordance with Permit Condition I.C.7:

| Parameter                                      | Units            | Max/Min                  | Reclaimed Water Limitations  |  | Monitoring Requirements |   |                        | Notes                  |
|--|------------------|--------------------------|------------------------------|--|-------------------------|---|------------------------|------------------------|
|  |                  |                          | Limit                        | Statistical Basis  | Frequency of Analysis   | Sample Type                               | Monitoring Site Number |                        |
| Flow   | MGD              | Max<br>Max               | 0.499<br>Report              | Annual Average<br>Monthly Average                                    | 5 Days/Week             | Recording Flow<br>Meter with<br>Totalizer | FLW-003                |                        |
| Flow   | MGD              | Max<br>Max               | 0.499<br>Report              | Annual Average<br>Monthly Average                                    | 5 Days/Week             | Recording Flow<br>Meter with<br>Totalizer | FLW-004                |                        |
| BOD, Carbonaceous 5<br>day, 20C                | mg/L             | Max<br>Max<br>Max<br>Max | 20.0<br>30.0<br>45.0<br>60.0 | Annual Average<br>Monthly Average<br>Weekly Average<br>Single Sample | Every 2 weeks           | 8-hr FPC                                  | EFA-001                |                        |
| Solids, Total Suspended                        | mg/L             | Max                      | 5.0                          | Single Sample  | 4 Days/Week             | Grab                                      | EFA-001                |                        |
| Coliform, Fecal                                | #/100mL          | Max                      | 25                           | Single Sample  | 4 Days/Week             | Grab                                      | EFA-001                |                        |
| Coliform, Fecal, % less<br>than detection      | percent          | Min                      | 75                           | Monthly Total  | 4 Days/Week             | Calculated                                | EFA-001                | See I.B.3              |
| pH   | s.u.             | Min<br>Max               | 6.0<br>8.5                   | Single Sample<br>Single Sample                                       | 5 Days/Week             | Grab                                      | EFA-001                |                        |
| Chlorine, Total Residual<br>(For Disinfection) | mg/L             | Min                      | 1.0                          | Single Sample  | Continuous              | Meter                                     | EFA-001                | See I.B.4<br>and I.B.7 |
| Turbidity                                      | NTU              | Max                      | Report                       | Single Sample  | Continuous              | Meter                                     | EFA-001                | See I.B.5<br>and I.B.7 |
| Giardia  | cysts/100L       | Max                      | Report                       | Single Sample  | Every 5 years           | Grab                                      | EFA-001                | See I.B.8              |
| Cryptosporidium                                | Oocysts<br>/100L | Max                      | Report                       | Single Sample  | Every 5 years           | Grab                                      | EFA-001                | See I.B.8              |

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2. Reclaimed water 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-003                | Flow measurement of reclaimed water sent to the Key West Golf Course  |
| FLW-004                | Flow measurement of reclaimed water sent to the Monroe County Detention Center                              |
| EFA-001                | After chlorination and prior to the disposal system R-001.  |
| EFB-001                | Turbidity samples are taken immediately after filtration from a common feed line to the turbidity analyzer. |

3. To report the "% less than detection," count the number of fecal coliform observations that were less than detection, divide by the total number of fecal coliform observations in the month, and multiply by 100% (round to the nearest integer). [62-600.440(5)(f)]
4. The minimum total chlorine residual shall be limited as described in the approved operating protocol, such that the permit limitation for fecal coliform bacteria will be achieved. In no case shall the total chlorine residual be less than 1.0 mg/L. [62-600.440(5)(b); 62-610.460(2); and 62-610.463(2)]
5. The maximum turbidity shall be limited as described in the approved operating protocol, such that the permit limitations for total suspended solids and fecal coliforms will be achieved. [62-610.463(2)]
6. The treatment facilities shall be operated in accordance with all approved operating protocols. Only reclaimed water that meets the criteria established in the approved operating protocols may be released to system storage or to the reuse system. Reclaimed water that fails to meet the criteria in the approved operating protocols shall be directed to the following permitted alternate discharge system: U-001. [62-610.320(6) and 62-610.463(2)]
7. Instruments for continuous on-line monitoring of total residual chlorine and turbidity shall be equipped with an automated data logging or recording device. [62-610.463(2)]
8. Intervals between sampling for Giardia and Cryptosporidium shall not exceed five years. [62-610.463(4)]

PERMITTEE: K W Resort Utility, Corp.  
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**C. 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 Permit Condition I.C.7.

| Parameter   | Units    | Max/Min           | Limitations               |  | Monitoring Requirements |             |                        | Notes                |
|---|----------|-------------------|---------------------------|--|-------------------------|-------------|------------------------|----------------------|
|   |          |                   | Limit                     | Statistical Basis                                      | Frequency of Analysis   | Sample Type | Monitoring Site Number |                      |
| Flow  | MGD      | Max<br>Max<br>Max | 0.499<br>Report<br>Report | Annual Average<br>Monthly Average<br>Quarterly Average | 5 Days/Week             | Calculated  | FLW-001                |                      |
| Percent Capacity,<br>(TMADF/Permitted Capacity) x 100 | percent  | Max               | Report                    | Three Month Average                                    | Monthly                 | Calculated  | FLW-001                | See II, A.3          |
| BOD, Carbonaceous 5 day, 20C (Influent)               | mg/L     | Max               | Report                    | Single Sample  | Every 2 weeks           | 8-hr FPC    | INF-001                | See I.C.3 and I.C.14 |
| Biosolids Transferred                                 | dry tons | Max               | Report                    | Monthly Total  | Monthly                 | Calculated  | RMP-01                 |                      |
| Solids, Total Suspended (Influent)                    | mg/L     | Max               | Report                    | Monthly Average  | Every 2 weeks           | 8-hr FPC    | INF-001                | See I.C.3 and I.C.14 |



PERMITTEE: K W Resort Utility, Corp.  
 FACILITY: Key West Resort Utility WWTP

PERMIT NUMBER: FLA014951  
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2. Samples shall be taken at the monitoring site locations listed in Permit Condition I.C.1. and as described below:

| Monitoring Site Number | Description of Monitoring Site       |
|------------------------|--------------------------------------|
| FLW-001                | Sum of FLW-002, FLW-003 and FLW-004. |
| RMP-01                 | Monthly total of biosolids hauled.   |
| INF-001                | Influent taken at either bar screen. |

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. Sampling results for giardia and cryptosporidium shall be reported on DEP Form 62-610.300(4)(a)4, Pathogen Monitoring, which is attached to this permit. This form shall be submitted to the Department's South District Office and to DEP's Reuse Coordinator in Tallahassee. [62-610.300(4)(a)]
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 applicable water quality standards and effluent limitations and shall be in accordance with Rule 62-4.246, Chapters 62-160 and 62-601, F.A.C., and 40 CFR 136, as appropriate. [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 forms attached to this permit. Monitoring results for each monitoring period shall be submitted in accordance with the associated DMR due dates below. DMRs shall be submitted for each required monitoring period including periods of no discharge.

| REPORT Type on DMR | Monitoring Period                      | Due Date                                |
|--------------------|--|---|
| Monthly            | First day of month - last day of month | 28 <sup>th</sup> 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                              |

The permittee may submit either paper or electronic DMR forms. If submitting paper DMR forms, the permittee shall make copies of the attached DMR forms, without altering the original format or content unless approved by the Department, and shall submit the completed DMR forms to the

PERMITTEE: K W Resort Utility, Corp.  
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Department's South District Office at the address specified in Permit Condition I.C.12. by the twenty-eighth (28th) of the month following the month of operation.

If submitting electronic DMR forms, the permittee shall use the electronic DMR system approved in writing by the Department and shall electronically submit the completed DMR forms to the Department by the twenty-eighth (28th) of the month following the month of operation. Data submitted in electronic format is equivalent to data submitted on signed and certified paper DMR forms.

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

8. During the period of operation authorized by this permit, reclaimed water or effluent shall be monitored annually for the primary and secondary drinking water standards contained in Chapter 62-550, F.A.C., (except for asbestos, color, odor, and corrosivity). These monitoring results shall be reported to the Department annually on the DMR. During years when a permit is not renewed, a certification stating that no new non-domestic wastewater dischargers have been added to the collection system since the last reclaimed water or effluent analysis was conducted may be submitted in lieu of the report. The annual reclaimed water or effluent analysis report or the certification shall be completed and submitted in a timely manner so as to be received by the Department at the address identified on the DMR by June 28 of each year. Approved analytical methods identified in Rule 62-620.100(3)(j), F.A.C., shall be used for the analysis. If no method is included for a parameter, methods specified in Chapter 62-550, F.A.C., shall be used. *[62-601.300(4)][62-601.500(3)][62-610.300(4)]*
9. The permittee shall submit an Annual Reuse Report using DEP Form 62-610.300(4)(a)2. on or before January 1 of each year. *[62-610.870(3)]*
10. The operating protocol shall be reviewed and updated periodically to ensure continuous compliance with the minimum treatment and disinfection requirements. Updated operating protocols shall be submitted to the Department's South District Office for review and approval upon revision of the operating protocol and with each permit application. *[62-610.463(2)]*
11. The permittee shall maintain an inventory of storage systems. The inventory shall be submitted to the Department's South District Office at least 30 days before reclaimed water will be introduced into any new storage system. The inventory of storage systems shall be attached to the annual submittal of the Annual Reuse Report. *[62-610.464(5)]*
12. 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:  
  
South District Branch Office  
Florida Department of Environmental Protection  
2796 Overseas Highway, Suite 221  
Marathon, Florida 33050  
  
Phone Number -- 305-289-2310  
FAX Number -- 850-412-0590  
(All FAX copies and e-mails shall be followed by original copies.) *[62-620.305]*
13. All reports and other information shall be signed in accordance with the requirements of Rule 62-620.305, F.A.C. *[62-620.305]*

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- Influent flow proportioned composite samples for CBOD<sub>5</sub>, and total suspended solids, total nitrogen, shall be taken at the same time of day that the effluent samples are taken. [62-601.300(6)]

## II. BIOSOLIDS MANAGEMENT REQUIREMENTS

### A. Basic Requirements

- Biosolids generated by this facility may be disposed of in a Class I solid waste landfill. [62-620.320(6), 62-640.880(1)]
- The permittee shall monitor and keep records of the quantities of biosolids generated, received from source facilities, treated, distributed and marketed, land applied, used as a biofuel or for bioenergy, transferred to another facility, or landfilled. These records shall be kept for a minimum of five years. [62-640.650(4)(a)]
- Biosolids quantities shall be monitored by the permittee as specified below. Results shall be reported on the permittee's Discharge Monitoring Report in accordance with Condition I.C.7.

| Parameter                       | Units    | Max /Min | Biosolids Limitations |                   | Monitoring Requirements |             |                        |
|---------------------------------|----------|----------|-----------------------|-------------------|-------------------------|-------------|------------------------|
|                                 |          |          | Limit                 | Statistical Basis | Frequency of Analysis   | Sample Type | Monitoring Site Number |
| Biosolids Quantity (Landfilled) | Dry tons | Max      | Report                | Total Monthly     | Monthly                 | Calculated  | RMP - 01               |

[62-640.650(5)(a)1]

- Biosolids quantities shall be calculated as listed in Permit Condition II. 3 and as described below:

| Monitoring Site Number | Description of Monitoring Site Calculation     |
|------------------------|--|
| RMP- 01                | Monthly total of biosolids that are landfilled |

- The treatment, management, transportation, use, land application, or disposal of biosolids shall not cause a violation of the odor prohibition in subsection 62-296.320(2), F.A.C. [62-640.400(6)]

[62-620.350, 62-602.650, 62-640.650(4)]

## III. GROUND WATER REQUIREMENTS

The Department has determined that groundwater monitoring is no longer necessary at this facility.

- Within 90 days of permit issuance, all piezometers and monitoring wells previously part of the approved ground water monitoring plan shall be plugged and abandoned in accordance with Rule 62-532.500(4), F.A.C.
- Within 30 days of completion of abandonment, the permittee shall submit to the Department two copies of certification of completion on Well Completion Report Form 62-532.900(2). The original shall be sent to the South District office in Fort Myers at P.O. Box 2549, Fort Myers, FL 33902. A copy shall be sent the South District Branch Office in Marathon. [62-532.410]

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

**A. Part III Public Access System**

This reuse system includes the following users:

| User Name                        | User Type  | Capacity (MGD) | Acreage       |
|----------------------------------|--|----------------|---------------|
| Key West Golf Course             | Golf Course  | 0.499          | 100.27        |
| Monroe County Detention Facility | Can receive 0.06 MGD of reclaimed water stored in 3 holding tanks (capacity of 102,372 gallons) for toilet flushing, AC cooling, and fire protection | 0.060          |               |
| <b>Totals</b>                    |  | <b>0.559</b>   | <b>100.27</b> |

1. Cross-connections to the potable water system are prohibited. *[62-610.469(7)]*
2. A cross-connection control program shall be implemented and/or remain in effect within the areas where reclaimed water will be provided for use. *[62-610.469(7)]*
3. The permittee shall conduct inspections within the reclaimed water service area to verify proper connections, to minimize illegal cross-connections, and to verify the proper use of reclaimed water. Inspections are required when a customer first connects to the reuse distribution system. Subsequent inspections are required as specified in the cross-connection control and inspection program. *[62-610.469(7)(h)]*
4. If a cross-connection between the potable and reclaimed water systems is discovered, the permittee shall:
  - a. Immediately discontinue potable water and/or reclaimed water service to the affected area.
  - b. If the potable water system is contaminated, clear the potable water lines.
  - c. Eliminate the cross-connection.
  - d. Test the affected area for other possible cross-connections.
  - e. Within 24 hours, notify the Department's South District Office's domestic wastewater and drinking water programs.
  - f. Within 5 days of discovery of a cross-connection, submit a written report to the Department's South District Office detailing: a description of the cross-connection, how the cross-connection was discovered, the exact date and time of discovery, approximate time that the cross-connection existed, the location, the cause, steps taken to eliminate the cross-connection, whether reclaimed water was consumed, and reports of possible illness, whether the drinking water system was contaminated and the steps taken to clear the drinking water system, when the cross-connection was eliminated, plan of action for testing for other possible cross-connections in the area, and an evaluation of the cross-connection control and inspection program to ensure that future cross-connections do not occur.

*[62-555.350(3) and 62-555.360][62-620.610(20)]*
5. Maximum obtainable separation of reclaimed water lines and potable water lines shall be provided and the minimum separation distances specified in Rule 62-610.469(7), F.A.C., shall be provided.

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Reuse facilities shall be color coded or marked. Underground piping which is not manufactured of metal or concrete shall be color coded using Pantone Purple 522C using light stable colorants. Underground metal and concrete pipe shall be color coded or marked using purple as the predominant color. *[62-610.469(7)]*

6. In constructing reclaimed water distribution piping, the permittee shall maintain a 75-foot setback distance from a reclaimed water transmission facility to public water supply wells. No setback distances are required to other potable water supply wells or to any nonpotable water supply wells. *[62-610.471(3)]*
7. A setback distance of 75 feet shall be maintained between the edge of the wetted area and potable water supply wells, unless the utility adopts and enforces an ordinance prohibiting potable water supply wells within the reuse service area. No setback distances are required to any nonpotable water supply well, to any surface water, to any developed areas, or to any private swimming pools, hot tubs, spas, saunas, picnic tables, barbecue pits, or barbecue grills. *[62-610.471(1), (2), (5), and (7)]*
8. Reclaimed water shall not be used to fill swimming pools, hot tubs, or wading pools. *[62-610.469(4)]*
9. Low trajectory nozzles, or other means to minimize aerosol formation shall be used within 100 feet from outdoor public eating, drinking, or bathing facilities. *[62-610.471(6)]*
10. A setback distance of 100 feet shall be maintained from indoor aesthetic features using reclaimed water to adjacent indoor public eating and drinking facilities. *[62-610.471(8)]*
11. The public shall be notified of the use of reclaimed water. This shall be accomplished by posting of advisory signs in areas where reuse is practiced, notes on scorecards, or other methods. *[62-610.468(2)]*
12. All new advisory signs and labels on vaults, service boxes, or compartments that house hose bibbs along with all labels on hose bibbs, valves, and outlets shall bear the words "do not drink" and "no beber" along with the equivalent standard international symbol. In addition to the words "do not drink" and "no beber," advisory signs posted at storage ponds and decorative water features shall also bear the words "do not swim" and "no nadar" along with the equivalent standard international symbols. Existing advisory signs and labels shall be retrofitted, modified, or replaced in order to comply with the revised wording requirements. For existing advisory signs and labels this retrofit, modification, or replacement shall occur within 365 days after the date of this permit. For labels on existing vaults, service boxes, or compartments housing hose bibbs this retrofit, modification, or replacement shall occur within 730 days after the date of this permit. *[62-610.468, 62-610.469]*
13. The permittee shall ensure that users of reclaimed water are informed about the origin, nature, and characteristics of reclaimed water; the manner in which reclaimed water can be safely used; and limitations on the use of reclaimed water. Notification is required at the time of initial connection to the reclaimed water distribution system and annually after the reuse system is placed into operation. A description of on-going public notification activities shall be included in the Annual Reuse Report. *[62-610.468(6)]*
14. Routine aquatic weed control and regular maintenance of storage pond embankments and access areas are required. *[62-610.414(8)]*
15. Overflows from emergency discharge facilities on storage ponds shall be reported as abnormal events in accordance with Permit Condition IX.20. *[62-610.800(9)]*

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## 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 III, Class C facility and during the period while operating in the extended aeration process. During the period the facility is operated as a nutrient removal process, this facility is a Category I, Class C facility. The minimum operator certification and minimum on-site operator presence is as follows:

**A Class C or higher operator for a minimum of: 6 hours per day for 7 days per week. The lead/chief operator must be a Class C operator, or higher.**

*[62-620.630(3)][62-699.310] [62-610.462]*

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 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. The application to renew this permit shall include an updated capacity analysis report prepared in accordance with Rule 62-600.405, F.A.C. *[62-600.405(5)]*
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)]*

### 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;

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- 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 operator(s) and the signature of the person(s) 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.
- j. Records of biosolids quantities, treatment, monitoring, and hauling for at least five years.

[62-620.350, 62-602.650]

## VI. SCHEDULES

1. The following improvement actions shall be completed according to the following schedule. For each Improvement Action listed below, the permittee shall submit a written notice of completion to the Department within 10 days of completing the Improvement Actions:

| Improvement Action  | Completion Date  |
|---|--|
| 1. Submit a reuse operating protocol after switching the WWTP operation from extended aeration process to AWT nutrient removal process. | When process is changed to meet AWT limits                                   |
| 2. Submit notice of availability of final operation and maintenance manuals on Form 62-620.910(13).                                     | 6 months after the facility changes its operating process to meet AWT limits |

[62-620.320(6)]

2. The permittee is not authorized to discharge to waters of the state after the expiration date of this permit, unless:
- a. The permittee has applied for renewal of this permit at least 180 days before the expiration date of this permit using the appropriate forms listed in Rule 62-620.910, F.A.C., and in the manner established in the Department of Environmental Protection Guide to Permitting Wastewater Facilities or Activities Under Chapter 62-620, F.A.C., including submittal of the appropriate processing fee set forth in Rule 62-4.050, F.A.C.; or
  - b. The permittee has made complete the application for renewal of this permit before the permit expiration date.

[62-620.335(1) - (4)]

## VII. INDUSTRIAL PRETREATMENT PROGRAM REQUIREMENTS

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

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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 deviation 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)]*
3. As provided in subsection 403.087(7), 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



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### 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
  - 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)]*

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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 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

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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 Laboratory Certification Program (DOH ELCP). Such certification shall be for the matrix, test method and analyte(s) 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.

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- 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.