

# Florida Department of Environmental Protection



## Marathon Branch Office

# Domestic Wastewater Connection and Abandonment Guidance

Gus Rios, Environmental Administrator

Devon Villareal, ESIII, Compliance Assurance - Water Facilities

Barbara Nevins, ESIII, Compliance Assurance - Air Resources/Waste Management

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## Subsection 403.086(10), Florida Statutes

Applies to all domestic wastewater facilities in Monroe County, including privately-owned facilities.

Extends the compliance deadline from July 1, 2010 to December 31, 2015.

Wastewater facilities operating in Monroe County after December 31, 2015 must comply with the requirements of this subsection.

Requires local governments and special districts to complete the wastewater projects identified in the Monroe County Sanitary Wastewater Master Plan, and in the rules adopted by the Florida Administration Commission, by December 31, 2015.



# Wastewater Treatment Standards

## Section 403.086(10), F.S.

Parameter	Biochemical Oxygen Demand(BOD)	Total Suspended Solids (TSS)	Total Nitrogen (TN)	Total Phosphorus (TP)
BAT Facilities with design capacities less than 100,000 GPD	10	10	10	1
AWT Facilities with design capacities equal to or greater than 100,000 GPD	5	5	3	1

**Notes:** Effluent concentration in milligrams per liter (mg/L) as annual average ; BAT: Best available technology; AWT: Advanced wastewater treatment; GPD: Gallons per day.



# Domestic Wastewater in Monroe County

As of February 2013, there are 120 active, operating Domestic Wastewater Facilities in Monroe County, 60 of which are located in the Village of Islamorada.

## **Secondary Treatment – 107 (4 w/reuse)**

TSS/CBOD – 20/20, no nutrient criteria

## **Best Available Technology – 8**

TSS/CBOD/TN/TP – 10/10/10/1

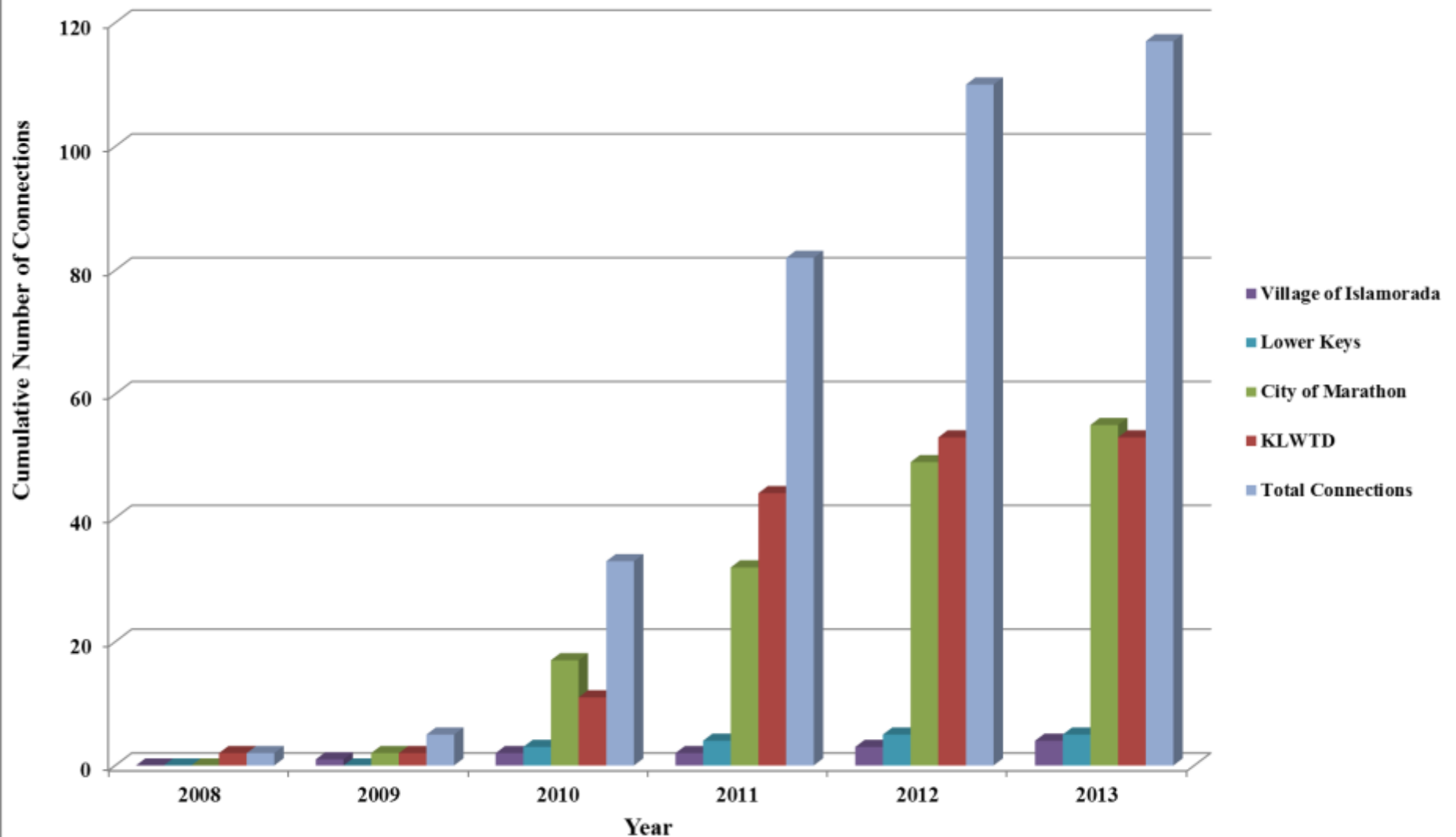
## **Advanced Wastewater Treatment – 5 (3 w/reuse)**

TSS/CBOD/TN/TP – 5/5/3/1



# Domestic Wastewater in Monroe County

## Connections by Area





# FDEP Actions to Facilitate Compliance with 403.086(10), F.S.

Notifying owners of FDEP permitted Facilities located **within the designated sewage connection areas** that their permits have been extended until December 31, 2015.

Working with all Facility owners, local governments and special districts to issue any wastewater collection system permits required to connect to the central utility.

Working with the owners of Facilities located **outside of the connection areas** to renew their permits and to issue the necessary permits to upgrade their wastewater systems to comply with the new standards by December 31, 2015.

Continue to make low-interest loans available through the State Revolving Fund program; or to assist with any other funding made available by the Florida Legislature.



# Connection and Abandonment

**FDEP permitted Facilities located within mandated connection areas must comply with Department Rules for connection and abandonment.**

Generally speaking, every FDEP permitted Facility must:

- Obtain a FDEP collection system permit – unless exempt
  - Application must be completed by a Florida Licensed P.E.
- Submit a Facility abandonment plan 60 days prior to abandonment
- Obtain a permit to abandon the Class V injection wells
- **Construct the collection system in accordance with the permit and obtain CLEARANCE FOR USE from the Department prior to placing the collection system into operation**
- Properly abandon the Facility in accordance with the submitted abandonment plan and ensuring public health and safety
- Abandon the injection wells – abandonment to be performed by a Florida Licensed Water Well Driller – and submit the documentation of well abandonment required by the Permit.





# Collection System Permitting

## Collection System Permitting Guidance

<http://www.dep.state.fl.us/water/wastewater/dom/domcollect.htm>

## Collection System Rules

<http://www.dep.state.fl.us/legal/rules/wastewater/62-604.pdf>

**Questions regarding collection system permitting and exemptions are best submitted via email to the Department staff listed below with a plan of the proposed system and a sketch with property boundaries and the right-of-way clearly marked on the drawing. The Department will promptly advise via email whether or not a FDEP permit is required.**

Maria Coleman (239.344.5624 or [Maria.Coleman@dep.state.fl.us](mailto:Maria.Coleman@dep.state.fl.us))

James Oni (239.344.5679 or [James.Oni@dep.state.fl.us](mailto:James.Oni@dep.state.fl.us))

Dr. Abdul Ahmadi (239.344.5614 or [Abdul.Ahmadi@dep.state.fl.us](mailto:Abdul.Ahmadi@dep.state.fl.us))





# Collection System Permitting Exemptions

Rule 62-604.600(2), F.A.C.

Construction of an individual service connection from a single family residence.

Replacement of any facilities with new facilities of the same capacity at the same location as the facilities being replaced.

Construction of any single gravity or non-gravity individual service connection from a single building to a gravity collection system; however, construction of a non-gravity connection from other than a single family residence to an existing force main system requires a permit.

Construction of a low pressure [grinder pump] or vacuum sewer individual service connection where the system serving the area has been previously permitted by the Department.

Installation of odor control facilities.

Modifications associated with routine maintenance.

Modifications associated with ancillary and electrical equipment and structures.



# Collection System Clearance for Use



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

## REQUEST FOR APPROVAL TO PLACE A DOMESTIC WASTEWATER COLLECTION/TRANSMISSION SYSTEM INTO OPERATION

### PART I - INSTRUCTIONS

- (1) This form shall be completed and submitted to the appropriate DEP district office or delegated local program for all collection/transmission system projects required to obtain a construction permit in accordance with Chapter 62-604, F.A.C.
- (2) Newly constructed or modified collection/transmission facilities shall not be placed into service until the Department has cleared the project for use.
- (3) All information shall be typed or printed in ink, and all blanks must be filled.

### PART II - PROJECT DOCUMENTATION

#### (1) Collection/Transmission System Permittee

Name CANDACE STEWART Title BOARD OF DIRECTORS MEMBER  
 Company Name ANCHOR CONDOMINIUM ASSOCIATION INC.  
 Address 143 ATLANTIC CIRCLE DRIVE  
 City TAVERNIER State FL Zip 33070  
 Telephone (305) 304-8848 Fax (305) 853-1813 Email KEYSIRL0707@COMCAST.NET

#### (2) General Project Information

Project Name ANCHOR CONDOMINIUM SEWER CONNECTION  
 Construction Permit No. 281237-081-DWC/CM Dated SEPT. 9, 2010  
 Is the entire project included under the collection/transmission system permit substantially complete?  Yes  No (If approval is being requested to place a portion of the project into operation, attach a copy of the site plan or sketch that was submitted with the application showing the portion of the project which is substantially complete and for which approval is being requested.)  
 Description of Portion of Project for Which Approval is Being Requested (including pipe length, total number of manholes and total number of pump stations) REFURBISH ONE PUMP STA., NEW PUMPS/CONDUITS 75 LF of 2" SCH 40 PVC 48" CE MAIN  
 Expected Date of Connection to Existing System or Treatment Plant NOV 22, 2011

#### (3) Treatment Plant Serving Collection/Transmission System

Name of Treatment Plant Serving Project KEY LARGO WWTP EXPANSION  
 County MOULDER City Unincorporated  
 DEP permit number FL 370967 Expiration Date \_\_\_\_\_

**RECEIVED**  
 NOV 23 2011  
 D.E.P. South District

For Department Use Only  
 Date 11/29/2011  
 By [Signature]  
 CLEARED FOR USE



# Facility Abandonment Requirements

In accordance with Florida Administrative Code Rule 62-620.610(15), the Permittee shall give the Department:

Written notice at least sixty (60) days before inactivation or abandonment of a wastewater facility

Specify what steps will be taken to safeguard public health and safety during and following abandonment.

PSC regulated Facilities must also notify the PSC at least sixty (60) days prior to the abandonment.



# Facility Abandonment Requirements continued...

## **A written abandonment plan should be sent to:**

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

or **preferably** via email to

[Devon.Villareal@dep.state.fl.us](mailto:Devon.Villareal@dep.state.fl.us)

[Gary.Hardie@dep.state.fl.us](mailto:Gary.Hardie@dep.state.fl.us)



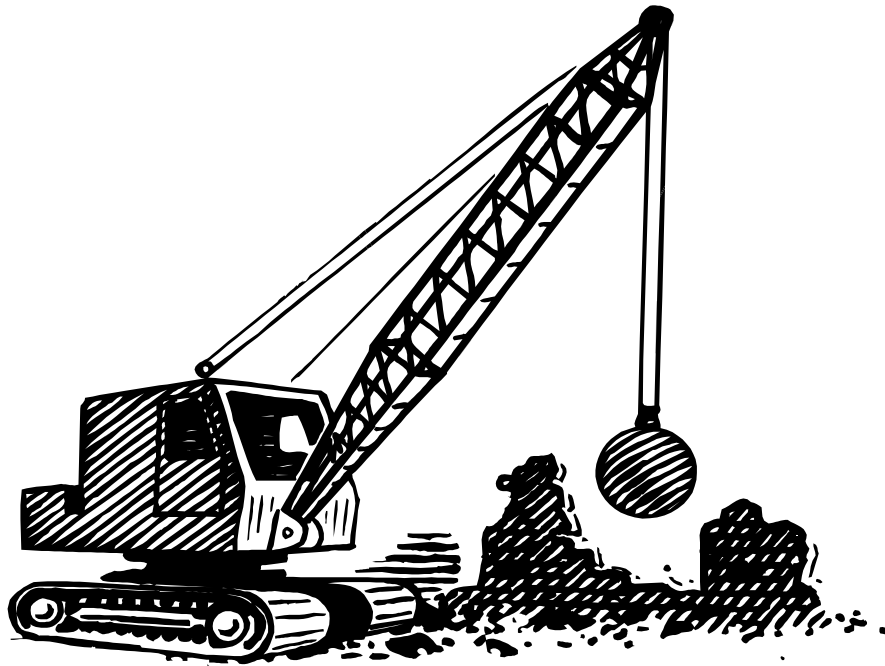
# Facility Abandonment Requirements continued...

Items to consider for Facility abandonment include:

- What steps will be taken to ensure access control.
- Remove all chemicals possible.
- Drain, remove, and lawfully dispose of all substances from tanks, vats, electrical transformers, vessels, and piping.
  - Must retain pump-out receipts.
- Disinfection steps to be taken.
- Lawfully dispose of all debris and non-stationary equipment.
- Inventory asbestos
  - Notice of Demolition due ten business days prior to demolition.
- Lawfully dispose of devices containing mercury (switches, thermostats, fluorescent bulbs, or other controls).
- Clean or remove ducts.
- Ensure that no drums or solvents or other substances are left behind.
- To the extent possible, take steps to prevent the facility from becoming an attractive nuisance.

# Asbestos Notification

What projects require notification?



DEMOLITION

Whether there is  
asbestos present or not.



# Asbestos Notification continued...

## F. A.C. Rule 62-257.200 (7)

"Demolition" means the wrecking or taking out of any load-supporting structural member of a facility together with any related handling operations or the intentional burning of any facility.





# Asbestos Notification continued...

**RENOVATION** requires notice

IF your project disturbs the following threshold amounts of regulated asbestos-containing material at least:

160 square feet

260 linear feet

35 cubic feet

# Asbestos Notification continued...

PIPE BURSTING requires notice if the pipe is asbestos-containing and greater than 260 linear feet





# Asbestos Notification continued...

# 10

Working days prior to starting the project mail, email or fax your completed notice to the Marathon DEP office.

A “working day” is Monday through Friday and includes holidays that fall on any of the days Monday through Friday.



The 10-day clock starts with the postmark, email, or fax date.



# Asbestos Questions

Please feel free to call with any questions

Barbara Nevins  
Environmental Specialist III  
Air Resources/Waste Management  
Marathon Branch Office  
(305)289-7073

**Alternate contact:**

AJ Satyal  
Environmental Administrator  
Air Resources  
District Office, Fort Myers  
(239)344-5689

Information on the web:

<http://www.dep.state.fl.us/air/emission/asbestos.htm>



# Injection Well Abandonment Requirements

Obtain FDEP abandonment permit for injection wells

- \$25 application fee per well for abandonment

Well abandonments must be performed by a Florida Licensed Water Well Contractor

Following abandonment, several documents must be submitted to the Department in accordance with the permit.

Specific questions related to injection well abandonment and the required documentation are best directed to:

David Rhodes at 239.344.5687 or [David.Rhodes@dep.state.fl.us](mailto:David.Rhodes@dep.state.fl.us)



# Injection Well Abandonment Documentation

Required documentation following the abandonment of injection wells includes:

1. A signed and sealed letter from the engineer of record, if there is an engineer associated with the project, certifying that the abandonment and plugging was completed in accordance with the plans and specifications contained in the permit application for abandonment.



# Injection Well Abandonment Documentation continued...

Required documentation:

2. DEP Form 62-528.900(2), F.A.C. documenting the well abandonment work has been completed. This form should be completed by the Florida Licensed Water Well Contractor who performed the work and submitted along with the other items contained in this list. This form can be accessed online at:  
[http://www.dep.state.fl.us/water/uic/forms/528\(2\).doc](http://www.dep.state.fl.us/water/uic/forms/528(2).doc).





# Permittee Responsibilities Following Connection

Following connection to a Central Sewer System, a FDEP collection system Permittee has the following responsibilities:

- Maintain the Operation and Maintenance Manual and as-built drawings onsite in accordance with Rule 62-604.500(4), F.A.C.
  - O&M Manual must include an Emergency Response Plan, Rule 62-604.500(4)(b), F.A.C.
- Operate and maintain the collection/transmission system so as to provide uninterrupted service, F.A.C. Rule 62-604.500(2), and maintain all equipment necessary for the collection/transmission of domestic wastewater, Rule 62-604.500(3), F.A.C.
- Report abnormal events within 24 hours to the Marathon Branch Office (305-289-7070) in accordance with Rule 62-604.550, F.A.C.
  - **Spills >1,000 gallons must be reported within 24 hours to the State Warning Point at 800-320-0519**



Marathon Branch Office  
2796 Overseas Highway, Suite 221  
Marathon, Florida 33050  
305.289.7070

Gus Rios, Environmental Administrator

[Gus.Rios@dep.state.fl.us](mailto:Gus.Rios@dep.state.fl.us)

305.289.7081

Devon Villareal

Compliance Assurance Program, Water Facilities

[Devon.Villareal@dep.state.fl.us](mailto:Devon.Villareal@dep.state.fl.us)

305.289.7075

Barbara Nevins

Compliance Assurance Program, Air Resources/Waste Management

[Barbara.Nevins@dep.state.fl.us](mailto:Barbara.Nevins@dep.state.fl.us)

305.289.7073