



Florida Department of Environmental Protection

Bob Martinez Center, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400

NOTIFICATION/APPLICATION FOR CONSTRUCTING A DOMESTIC WASTEWATER COLLECTION/TRANSMISSION SYSTEM

PART I - GENERAL

Subpart A: Permit Application Type

Permit Application Type (mark one only)

Table with 4 columns: Permit Application Type, EDUs Served, Application Fee\*, and 'X' checkbox. Rows include individual permit (>=10, <10) and general permit (N/A).

\*Note: Each non-contiguous project (i.e., projects that are not interconnected or are not located on adjacent streets or in the same neighborhood) requires a separate application and fee.

Subpart B: Instructions

- (1) This form shall be completed for all domestic wastewater collection/transmission system construction projects as follows:
(2) One copy of the completed form shall be submitted to the appropriate DEP district office or delegated local program along with the appropriate fee, and one copy of the following supporting documents.
(3) All information shall be typed or printed in ink. Where attached sheets (or other technical documentation) are utilized in lieu of the blanko spaces provided, indicate appropriate cross-references on the form.

**PART II – PROJECT DOCUMENTATION**

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

Name: Victor Ballestros Title: President  
 Company Name: Angler House Marina, VBFF, LLC  
 Address: 80500 Overseas Highway  
 City: Islamorada State: Florida Zip: 33036  
 Telephone: 954-270-1952 Fax: \_\_\_\_\_ Email: rayk0104@gmail.com

**(2) General Project Information**

Project Name: Angler House Marina  
 Location: County: Monroe City: Islamorada Section: 06 Township: 64 Range: 36  
 Project Description and Purpose (including pipe length, range of pipe diameter, total number of manholes, and total number of pump stations):  
 1 - Duplex pump station and 610' - 1.25" force main to Point of Service.

Estimated date for: Start of construction: June, 2015 Completion of construction: August, 2015  
 Connections to existing system or treatment plant: \_\_\_\_\_

**(3) Project Capacity**

A = Type of Unit	B = Number of Units	C = Population per Unit	D = Total Population (Columns B x C)	E = Per Capital Flow	F = Total Average Daily Flow (Columns D x E)	G = Peak hour flow
Single-Family Home:	_____	_____	_____	_____	_____	_____
Mobile Home:	_____	_____	_____	_____	_____	_____
Apartment:	_____	_____	_____	_____	_____	_____
Commercial, Institutional, or Industrial Facility*:	1 -rest./bar	1	1	145	145	21
	7 - boat slips	1	1	40	280	82
Total:					425	103

\* Description of commercial, institutional, and industrial facilities and explanation of method used to estimate per capita flow for these facilities:  
 One single room bar/restaurant with design flows as per updated LPFM tables of water use by Reynolds Water, dated 23 February 2015; the seven individual boat slips with pump-out facilities have been estimated based on estimated flows provided by Broward County Design Flow Standards, Standard Chart Section 27.201. Peaking factors of 3.5 and 7.0 used for restaurant/bar and boat slips respectively.

**(4) Pump Station Data (attached additional sheets as necessary)**

Location	Type	Estimated Flow to the Station (GPD)			Operating Conditions [GPM @ FT (TDH)]
		Maximum	Average	Minimum	
see site plan	Duplex	2468	425	100	12 gpm@70'
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

**(5) Collection/Transmission System Design Information**

A. This information must be completed for all projects by the applicant’s professional engineer, and if applicable, those professional engineers in other disciplines who assisted with the design of the project.

If this project has been designed to comply with the standards and criteria listed below, the engineer shall initial in ink before the standards or criteria. If any of the standards or criteria do not apply to this project or if this project has not been designed to comply with the standards or criteria, mark “X” before the appropriate standard or criteria and provide an explanation, including any applicable rule references, in (5)B. below.

Note, if the project has not been designed in accordance with the standards and criteria set forth in Rules 62-604.400(1) and (2), F.A.C., an application for an individual permit shall be submitted. However, if Rules 62-604.400(1) and (2), F.A.C., specifically allow for another alternative that will result in an equivalent level of reliability and public health protection, the project can be constructed using the general permit.

#### General Requirements

- UWM
- 1.0 The project is designed based on an average daily flow of 100 gallons per capita plus wastewater flow from industrial plants and major institutional and commercial facilities unless water use data or other justification is used to better estimate the flow. The design includes an appropriate peaking factor, which covers I/I contributions and non-wastewater connections to those service lines. [RSWF 11.243]
  - UWM  
UWM 2. Procedures are specified for operation of the collection/transmission system during construction. [RSWF 20.15]
  - UWM 3. The project is designed to be located on public right-of-ways, land owned by the permittee, or easements and to be located no closer than 100 feet from a public drinking water supply well and no closer than 75 feet from a private drinking water supply well; or documentation is provided in Part II.(5)B., showing that another alternative will result in an equivalent level of reliability and public health protection. [62-604.400(1)(b) and (c), F.A.C.]
  - UWM 4. The project is designed with no physical connections between a public or private potable water supply system and a sewer or force main and with no water pipes passing through or coming into contact with any part of a sewer manhole. [RSFW 38.1 and 48.5]
  - UWM 5.0 The project is designed to preclude the deliberate introduction of storm water, surface water, groundwater, roof runoff, subsurface drainage, swimming pool drainage, air conditioning system condensate water, non-contact cooling water except as provided by Rule 62-610.668(1), F.A.C., and sources of uncontaminated wastewater, except to augment the supply of reclaimed water in accordance with Rule 62-610.472(3)(c), F.A.C. [62-604.400(1)(d), F.A.C.]
  - UWM 6. The project is designed so that all new or relocated, buried sewers and force mains, are located in accordance with the separation requirements from water mains and reclaimed water lines of Rules 62-604.400(2)(g)(h) and (i) and (3), F.A.C. Note, if the criteria of Rules 62-604.400(2)(g) 4. or (2)(i) 3., F.A.C., are used, describe in Part II.C. alternative construction features that will be provided to afford a similar level of reliability and public health protection. [62-604.400(2)(g), (h), and (i) and (3), F.A.C.]

#### Gravity Sewers

- X
- X 7.0 The project is designed with no public gravity sewer conveying raw wastewater less than 8 inches in diameter. [RSWF 33.1]o
  - UWM 8.0 The design considers buoyancy of sewers, and appropriate construction techniques are specified to prevent flotation of the pipe where high groundwater conditions are anticipated. [RSWF 33.3]o
  - UWM 9. All sewers are designed with slopes to give mean velocities, when flowing full, of not less than 2.0 feet per second, based on Manning's formula using an "n" value of 0.013; or if it is not practicable to maintain these minimum slopes and the depth of flow will be 0.3 of the diameter or greater for design average flow, the owner of the system has been notified that additional sewer maintenance will be required. The pipe diameter and slope are selected to obtain the greatest practical velocities to minimize solids deposition problems. Oversized sewers are not specified to justify flatter slopes. [RSWF 33.41, 33.42, and 33.43]
  - X 10.0 Sewers are designed with uniform slope between manholes. [RWSF 33.44]
  - UWM 11. Where velocities greater than 15 fps are designed, provisions to protect against displacement by erosion and impact are specified. [RSWF 33.45]
  - X 12.0 Sewers on 20% slopes or greater are designed to be anchored securely with concrete, or equal, anchors spaced as follows: not over 36 feet center to center on grades 20% and up to 35%; not over 24 feet center to center on grades 35% and up to 50%; and not over 16 feet center to center on grades 50% and over. [RSWF 33.46]o

- X 13. Sewers 24 inches or less are designed with straight alignment between manholes. Where curvilinear sewers are proposed for sewers greater than 24 inches, the design specifies compression joints; ASTM or specific pipe manufacturer's maximum allowable pipe joint deflection limits are not exceeded; and curvilinear sewers are limited to simple curves which start and end at manholes. [RSWF 33.5]
- WM 14. Suitable couplings complying with ASTM specifications are required for joining dissimilar materials. [RSWF 33.7]
- WM 15. Sewers are designed to prevent damage from superimposed loads. [RSWF 33.7]
- WM 16. Appropriate specifications for the pipe and methods of bedding and backfilling are provided so as not to damage the pipe or its joints, impede cleaning operations and future tapping, nor create excessive side fill pressures and ovalation of the pipe, nor seriously impair flow capacity. [RSWF 33.81]
- WM 17. Appropriate deflection tests are specified for all flexible pipe. Testing is required after the final backfill has been in place at least 30 days to permit stabilization of the soil-pipe system. Testing requirements specify: 1) no pipe shall exceed a deflection of 5%; 2) using a rigid ball or mandrel for the deflection test with a diameter not less than 95% of the base inside diameter or average inside diameter of the pipe, depending on which is specified in the ASTM specification, including the appendix, to which the pipe is manufactured; and 3) performing the test without mechanical pulling devices. [RSWF 33.85]
- WM 18. Leakage tests are specified requiring that: 1) the leakage exfiltration or infiltration does not exceed 200 gallons per inch of pipe diameter per mile per day for any section of the system; 2) exfiltration or infiltration tests be performed with a minimum positive head of 2 feet; and 3) air tests, as a minimum, conform to the test procedure described in ASTM C-828 for clay pipe, ASTM C 924 for concrete pipe, ASTM F-1417 for plastic pipe, and for other materials appropriate test procedures. [RSWF 33.93, 33.94, and 33.95]
- X 19. If an inverted siphon is proposed, documentation of its need is provided in Part II.C. Inverted siphons are designed with: 1) at least two barrels; 2) a minimum pipe size of 6 inches; 3) necessary appurtenances for maintenance, convenient flushing, and cleaning equipment; and 4) inlet and discharge structures having adequate clearances for cleaning equipment, inspection, and flushing. Design provides sufficient head and appropriate pipe sizes to secure velocities of at least 3.0 fps for design average flows. The inlet and outlet are designed so that the design average flow may be diverted to one barrel, and that either barrel may be cut out of service for cleaning. [RSWF 35]

#### Manholes

- X 20. The project is designed with manholes at the end of each line; at all changes in grade, size, or alignment; at all intersections; and at distances not greater than 400 feet for sewers 15 inches or less and 500 feet for sewers 18 inches to 30 inches, except in the case where adequate modern cleaning equipment is available at distances not greater than 600 feet. [RSWF 34.1]
- X 21. Design requires drop pipes to be provided for sewers entering manholes at elevations of 24 inches or more above the manhole invert. Where the difference in elevation between the incoming sewer and the manhole invert is less than 24 inches, the invert is designed with a fillet to prevent solids deposition. Inside drop connections (when necessary) are designed to be secured to the interior wall of the manhole and provide access for cleaning. Design requires the entire outside drop connection be encased in concrete. [RSWF 34.2]
- X 22. Manholes are designed with a minimum diameter of 48 inches and a minimum access diameter of 22 inches. [RSWF 34.3]
- X 23. Design requires that a bench be provided on each side of any manhole channel when the pipe diameter(s) are less than the manhole diameter and that no lateral sewer, service connection, or drop manhole pipe discharges onto the surface of the bench. [RSWF 34.5]
- X 24. Design requires: 1) manhole lift holes and grade adjustment rings be sealed with non-shrinking mortar or other appropriate material; 2) inlet and outlet pipes be joined to the manhole with a gasketed flexible watertight connection or another watertight connection arrangement that allows differential settlement of the pipe and manhole wall; and 3) watertight manhole covers be used wherever the manhole tops may be flooded by street runoff or high water. [RSWF 34.6]
- X 25. Manhole inspection and testing for watertightness or damage prior to placing into service are specified. Air testing, if specified for concrete sewer manholes, conforms to the test procedures described in ASTM C-1244. [RSWF 34.7]

- X 26. Electrical equipment specified for use in manholes is consistent with Item 46 of this checklist. [RSWF 34.9]n

Stream Crossings

- X 27. Sewers and force mains entering or crossing streams are designed to be constructed of ductile iron pipe with mechanical joints or so they will remain watertight and free from changes in alignment or grade. Appropriate materials which will not readily erode, cause siltation, damage pipe during placement, or corrode the pipe are specified to backfill the trench. [RSWF 36.21 and 48.5]
- X 28. Stream crossings are designed to incorporate valves or other flow regulating devices (which may include pump stations) on the shoreline or at such distances from the shoreline to prevent discharge in the event the line is damaged. [62-604.400(2)(k)5., F.A.C.]
- X 29. Sewers and force mains entering or crossing streams are designed at a sufficient depth below the natural bottom of the stream bed to protect the line. At a minimum, the project is designed with subaqueous lines to be buried at least three feet below the design or actual bottom, whichever is deeper, of a canal and other dredged waterway or the natural bottom of streams, rivers, estuaries, bays, and other natural water bodies; or if it is not practicable to design the project with less than three-foot minimum cover, alternative construction features (e.g. a concrete cap, sleeve, or some other properly engineered device to insure adequate protection of the line) are described in Part II.C. [62-604.400(2)(k)1., F.A.C., and RSWF 36.11]
- X 30. Specifications require permanent warning signs be placed on the banks of canals, streams, and rivers clearly identifying the nature and location (including depths below design or natural bottom) of subaqueous crossings and suitably fixed signs be placed at the shore, for subaqueous crossings of lakes, bays, and other large bodies of water, and in any area where anchoring is normally expected. [62-604.400(2)(k)2., F.A.C.]n
- X 31. Provisions for testing the integrity of subaqueous lines are specified. [62-604.400(2)(k)4., F.A.C.]
- X 32. Supports are designed for all joints in pipes utilized for aerial crossings and to prevent overturning and settlement. Expansion jointing is specified between above ground and below ground sewers and force mains. The design considers the impact of floodwaters and debris. [RSWF 37 and 48.5]n
- X 33. Aerial crossings are designed to maintain existing or required navigational capabilities within the waterway and to reserve riparian rights of adjacent property owners. [62-604.400(2)(k)3., F.A.C.]n

Pump Stations

- WMM 34. In areas with high water tables, pump stations are designed to withstand flotation forces when empty. When siting the pump station, the design considers the potential for damage or interruption of operation because of flooding. Pump station structures and electrical and mechanical equipment are designed to be protected from physical damage by the 100-year flood. Pump stations are designed to remain fully operational and accessible during the 25-year flood unless lesser flood levels are appropriate based on local considerations, but not less than the 10-year flood. [62-604.400(2)(e), F.A.C.]
- WMM 35. Pump stations are designed to be readily accessible by maintenance vehicles during all weather conditions. [RSWF 41.2]
- WMM 36. Wet well and pump station piping is designed to avoid operational problems from the accumulation of grit. [RSWF 41.3]
- X 37. Dry wells, including their superstructure, are designed to be completely separated from the wet well. Common walls are designed to be gas tight. [RSWF 42.21]
- WMM 38. The design includes provisions to facilitate removing pumps, motors, and other mechanical and electrical equipment. [RSWF 42.22]n

- WM 39. The design includes provisions for: 1) suitable and safe means of access for persons wearing self-contained breathing apparatus are provided to dry wells, and to wet wells; 2) stairway access to wet wells more than 4 feet deep containing either bar screens or mechanical equipment requiring inspection or maintenance; 3) for built-in-place pump stations, a stairway to the dry well with rest landings at vertical intervals not to exceed 12 feet; 4) for factory-built pump stations over 15 feet deep, a rigidly fixed landing at vertical intervals not to exceed 10 feet unless a manlift or elevator is provided; and 5) where a landing is used, a suitable and rigidly fixed barrier to prevent an individual from falling past the intermediate landing to a lower level. If a manlift or elevator is provided, emergency access is included in the design. [RSWF 42.23]
- WM 40.e Specified construction materials are appropriate under conditions of exposure to hydrogen sulfide and other corrosive gases, greases, oils, and other constituents frequently present in wastewater. [RSWF 42.25]
- WM 41. Except for low-pressure grinder or STEP systems, multiple pumps are specified, and each pump has an individual intake. Where only two units are specified, they are of the same size. Specified units have capacity such that, with any unit out of service, the remaining units will have capacity to handle the design peak hourly flow. [RSWF 42.31 and 42.36]
- X 42. Bar racks are specified for pumps handling wastewater from 30 inch or larger diameter sewers. Where a bar rack is specified, a mechanical hoist is also provided. The design includes provisions for appropriate protection from clogging for small pump stations. [RSWF 42.322]
- X 43.e Pumps handling raw wastewater are designed to pass spheres of at least 3 inches in diameter. Pump suction and discharge openings are designed to be at least 4 inches in diameter. [RSWF 42.33] (Note, this provision is not applicable to grinder pumps.)
- WM 44.e The design requires pumps be placed such that under normal operating conditions they will operate under a positive suction head, unless pumps are suction-lift pumps. [RSWF 42.34]
- WM 45.e The design requires: 1) pump stations be protected from lightning and transient voltage surges; and 2) pump stations be equipped with lightning arrestors, surge capacitors, or other similar protection devices and phase protection. Note, pump stations serving a single building are not required to provide surge protection devices if not necessary to protect the pump station. [62-604.400(2)(b), F.A.C.]e
- WM 46.e The design requires 1) electrical systems and components (e.g., motors, lights, cables, conduits, switch boxes, control circuits, etc.) in raw wastewater wet wells, or in enclosed or partially enclosed spaces where hazardous concentrations of flammable gases or vapors may be present, comply with the National Electrical Code requirements for Class I Group D, Division 1 locations; 2) electrical equipment located in wet wells be suitable for use under corrosive conditions; 3) each flexible cable be provided with a watertight seal and separate strain relief; 4) a fused disconnect switch located above ground be provided for the main power feed for all pump stations; 5) electrical equipment exposed to weather to meet the requirements of weatherproof equipment NEMA 3R or 4; 6) a 110 volt power receptacle to facilitate maintenance be provided inside the control panel for pump stations that have control panels outdoors; and 7) ground fault interruption protection be provided for all outdoor outlets. [RSWF 42.35]e
- X 47. The design requires a sump pump equipped with dual check valves be provided in dry wells to remove leakage or drainage with discharge above the maximum high water level of the wet well. [RSWF 42.37]e
- WM 48. Pump station design capacities are based on the peak hourly flow and are adequate to maintain a minimum velocity of 2 feet per second in the force main. [RSWF 42.38]
- WM 49. The design includes provisions to automatically alternate the pumps in use. [RSWF 42.4]
- WM 50.e The design requires: 1) suitable shutoff valves be placed on the suction line of dry pit pumps; 2) suitable shutoff and check valves be placed on the discharge line of each pump (except on screw pumps); 3) a check valve be located between the shutoff valve and the pump; 4) check valves be suitable for the material being handled; 5) check valves be placed on the horizontal portion of discharge piping (except for ball checks, which may be placed in the vertical run); 6) all valves be capable of withstanding normal pressure and water hammer; and 7) all shutoff and check valves be operable from the floor level and accessible for maintenance. [RSWF 42.5]
- WM 51.e The effective volume of wet wells is based on design average flows and a filling time not to exceed 30 minutes unless the facility is designed to provide flow equalization. The pump manufacturer's duty cycle recommendations were utilized in selecting the minimum cycle time. [RSWF 42.62]e
- WM 52. The design requires wet well floors have a minimum slope of 1 to 1 to the hopper bottom and the horizontal area of hopper bottoms be no greater than necessary for proper installation and function of the inlet. [RSWF 42.63]

- WM 53.e For covered wet wells, the design provides for air displacement to the atmosphere, such as an inverted "j" tube or other means. [RSWF 42.64]e
- WM 54.e The design provides for adequate ventilation all pump stations; mechanical ventilation where the dry well is below the ground surface; permanently installed ventilation if screens or mechanical equipment requiring maintenance or inspection are located in the wet well. Pump stations are designed with no interconnection between the wet well and dry well ventilation systems. [RSWF 42.71]e
- X 55.e The design requires all intermittently operated ventilation equipment to be interconnected with the respective pite lighting system and the manual lighting/ventilation switch to override the automatic controls. [RSWF 42.73]e
- X 56.e The design requires the fan wheels of ventilation systems be fabricated from non-sparking material and automatic heating and dehumidification equipment be provided in all dry wells. [RSWF 42.74]e
- X 57.e If wet well ventilation is continuous, design provides for at least 12 complete 100% fresh air changes per hour; if wet well ventilation is intermittent, design provides for at least 30 complete 100% fresh air changes per hour; and design requires air to be forced into wet wells by mechanical means rather than solely exhausted from the wet well. [RSWF 42.75]e
- X 58.e If dry well ventilation is continuous, design provides at least 6 complete 100% fresh air changes per hour; and dry well ventilation is intermittent, design provides for at least 30 complete 100% fresh air changes per hour, unless a system of a two speed ventilation with an initial ventilation rate of 30 changes per hour for 10 minutes and automatic switch over to 6 changes per hour is used to conserve heat. [RSWF 42.76]e
- WM 59.e Pump stations are designed and located on the site to minimize adverse effects from odors, noise, and lighting. [62-604.400(2)(c), F.A.C.]e
- WM 60.e The design requires pump stations be enclosed with a fence or otherwise designed with appropriate features to discourage the entry of animals and unauthorized persons. Posting of an unobstructed sign made of durable weather resistant material at a location visible to the public with a telephone number for a point of contact in case of emergency is specified. [62-604.400(2)(d), F.A.C.]e
- WM 61.e The design requires suitable devices for measuring wastewater flow at all pump stations. Indicating, totalizing, and recording flow measurement are specified for pump stations with a 1200 gpm or greater design peak flow. [RSWF 42.8]e
- WM 62.e The project is designed with no physical connections between any potable water supplies and pump stations. If a potable water supply is brought to a station, reduced-pressure principle backflow-prevention assemblies are specified. [RSWF 42.9 and 62-555.30(4), F.A.C.]e

Additional Items to be Completed for Suction-Lift Pump Stations

- X 63.e The design requires all suction-lift pumps to be either self-priming or vacuum-priming and the combined total of dynamic suction-lift at the "pump off" elevation and required net positive suction head at design operating conditions not to exceed 22 feet. For self-priming pumps, the design requires: 1) pumps be capable of rapid priming and repriming at the "lead pump on" elevation with self-priming and repriming accomplished automatically under design operating conditions; 2) suction piping not to exceed the size of the pump suction or 25 feet in total length; and 3) priming lift at the "lead pump on" elevation to include a safety factor of at least 4 feet from the maximum allowable priming lift for the specific equipment at design operating conditions. For vacuum-priming pump stations, the design requires dual vacuum pumps capable of automatically and completely removing air from the suction-lift pumps and the vacuum pumps be adequately protected from damage due to wastewater. [RSWF 43.1]e
- X 64.e The design requires: 1) suction-lift pump equipment compartments to be above grade or offset and to be effectively isolated from the wet well to prevent a hazardous and corrosive sewer atmosphere from entering the equipment compartment; 2) wet well access not to be through the equipment compartment and to be at least 24 inches in diameter; 3) gasketed replacement plates be provided to cover the opening to the wet well for pump units to be removed for service; and 4) no valving be located in the wet well. [RSWF 43.2]e

Additional Items to be Completed for Submersible Pump Stations

- 65.d Submersible pumps and motors are designed specifically for raw wastewater use, including totally submerged operation during a portion of each pump cycle and to meet the requirements of the National Electrical Code for such units. Provisions for detecting shaft seal failure or potential seal failure are included in the design. [RSWF 44.1]d
66. The design requires submersible pumps be readily removable and replaceable without dewatering the wet well or disconnecting any piping in the wet well. [RSWF 44.2]
67. In submersible pump stations, electrical supply, control, and alarm circuits are designed to provide strain relief; to allow disconnection from outside the wet well; and to protect terminals and connectors from corrosion by location outside the wet well or through use of watertight seals. [RSWF 44.31]d
- 68.d In submersible pump stations, the design requires the motor control center to be located outside the wet well, readily accessible, and protected by a conduit seal or other appropriate measures meeting the requirements of the National Electrical Code, to prevent the atmosphere of the wet well from gaining access to the control center. If a seal is specified, the motor can be removed and electrically disconnected without disturbing the seal. The design requires control equipment exposed to weather to meet the requirements of weatherproof equipment NEMA 3R or 4. [RSWF 44.32]d
69. In submersible pump stations, the design requires: 1) pump motor power cords be flexible and serviceable under conditions of extra hard usage and to meet the requirements of the National Electrical Code standards for flexible cords in wastewater pump stations; 2) ground fault interruption protection be used to de-energize the circuit in the event of any failure in the electrical integrity of the cable; and 3) power cord terminal fittings be corrosion-resistant and constructed in a manner to prevent the entry of moisture into the cable, provided with strain relief appurtenances, and designed to facilitate field connecting. [RSWF 44.33]
70. In submersible pump stations, the design requires all shut-off and check valves be located in a separate valve pit. Provisions to remove or drain accumulated water from the valve pit are included in the design. [RSWF 44.4]

Emergency Operations for Pump Stations

- 71.d Pump stations are designed with an alarm system which activates in cases of power failure, sump pump failure, pump failure, unauthorized entry, or any cause of pump station malfunction. Pump station alarms are designed to be telemetered to a facility that is manned 24 hours a day. If such a facility is not available and a 24-hour holding capacity is not provided, the alarm is designed to be telemetered to utility offices during normal working hours and to the home of the responsible person(s) in charge of the lift station during off-duty hours. Note, if an audio-visual alarm system with a self-contained power supply is provided in lieu of a telemetered system, documentation is provided in Part II.C. showing an equivalent level of reliability and public health protection. [RSWF 45]d
72. The design requires emergency pumping capability be provided for all pump stations. For pump stations that receive flow from one or more pump stations through a force main or pump stations discharging through pipes 12 inches or larger, the design requires uninterrupted pumping capability be provided, including an in-place emergency generator. Where portable pumping and/or generating equipment or manual transfer is used, the design includes sufficient storage capacity with an alarm system to allow time for detection of pump station failure and transportation and connection of emergency equipment. [62-604.400(2)(a)1. and 2., F.A.C., and RSWF 46.423 and 46.433]d
- 73.d The design requires: 1) emergency standby systems to have sufficient capacity to start up and maintain the total rated running capacity of the station, including lighting, ventilation, and other auxiliary equipment necessary for safety and proper operation; 2) special sequencing controls be provided to start pump motors unless the generating equipment has capacity to start all pumps simultaneously with auxiliary equipment operating; 3) a riser from the force main with rapid connection capabilities and appropriate valving be provided for all pump stations to hook up portable pumps; and 4) all pump station reliability design features be compatible with the available temporary service power generating and pumping equipment of the authority responsible for operation and maintenance of the collection/transmission system. [62-604.400(2)(a)3., F.A.C., and RSWF 46.431]
- X 74. The design provides for emergency equipment to be protected from operation conditions that would result in damage to the equipment and from damage at the restoration of regular electrical power. [RSWF 46.411, 46.417, and 46.432]

- X 75.a For permanently-installed internal combustion engines, underground fuel storage and piping facilities are designed in accordance with applicable state and federal regulations; and the design requires engines to be located above grade with adequate ventilation of fuel vapors and exhaust gases. [RSWF 46.414 and 46.415]
- X 76.a For permanently-installed or portable engine-driven pumps are used, the design includes provisions for manual start-up. [RSWF 46.422]a
- X 77.a Where independent substations are used for emergency power, each separate substation and its associated transmission lines is designed to be capable of starting and operating the pump station at its rated capacity. [RSWF 46.44]a

Force Mains

- 78.a Force mains are designed to maintain, at design pumping rates, a cleansing velocity of at least 2 feet per second. The minimum force main diameter specified for raw wastewater is not less than 4 inches. [RSWF 48.1]a
- 79. The design requires: 1) branches of intersecting force mains be provided with appropriate valves such that one branch may be shut down for maintenance and repair without interrupting the flow of other branches; and 2) stubouts on force mains, placed in anticipation of future connections, be equipped with a valve to allow such connection without interruption of service. [62-604.400(2)(f), F.A.C.]
- 80.a The design requires air relief valves be placed at high points in the force main to prevent air locking. [RSWF 48.2]
- 81.a Specified force main pipe and joints are equal to water main strength materials suitable for design conditions. The force main, reaction blocking, and station piping are designed to withstand water hammer pressures and stresses associated with the cycling of wastewater pump stations. [RSWF 48.4]
- 82.a When the Hazen and Williams formula is used to calculate friction losses through force mains, the value for "C" is 100 for unlined iron or steel pipe for design. For other smooth pipe materials, such as PVC, polyethylene, lined ductile iron, the value for C does not exceed 120 for design. [RSWF 48.61]
- 83.a Where force mains are constructed of material, which might cause the force main to be confused with potable water mains, specifications require the force main to be clearly identified. [RSWF 48.7]
- 84.a Leakage tests for force mains are specified including testing methods and leakage limits. [RSWF 48.8]a

\*RSWF = Recommended Standards for Wastewater Facilities (1997) as adopted by rule 62-604.300(5)(c), F.A.C.a

B.a Explanation for Requirements or Standards Marked "X" in II(5)A. Above (Attach additional sheets if necessary):a

- |  |   |
|--|---|
| 7. There are no sewer lines - just sanitary laterals | 37,47,55-58 - Dry Well not propose de         |
| 10, 13, 20-26, No manholes are proposed.             | 46. Residential/Domestic Waste -unclassified  |
| 11, 12 N/A, 17 Deflection test is not specified.     | 63-64. Suction Lift Pumps not proposed        |
| 19 An inverted siphon is not proposed. 27-33         | 71. An Audio/Visual Alarm will be provided    |
| Stream crossings are not proposed.                   | 73-77. The Wet Well is accessible for pumping |
| 42 N/A 43, 78 Grinder pumps are specified.           | 78. 1.25" force main is proposed.             |

PART III - CERTIFICATIONS

(1)a Collection/Transmission System Permitteea

I, the undersigned owner or authorized representative\* of Anger House Marina, VBFF, LLC am fully aware that the statements made in this application for a construction permit are true, correct and complete to the best of my knowledge and belief. I agree to retain the design engineer or another professional engineer registered in Florida, to conduct on-site observation of construction, to prepare a certification of completion of construction, and to review record drawings for adequacy. Further, I agree to provide an appropriate operation and maintenance manual for the facilities pursuant to Rule 62-604.500(4), F.A.C., and to retain a professional engineer registered in Florida to examine (or to prepare if desired) the manual. I am fully aware that Department approval must be obtained before this project is placed into service for any purpose other than testing for leaks and testing equipment operation.

Signed: *Victor Ballcoate* Date: 5/1/15  
 Name: Victor Ballcoate Title: Prop.

\*Attach a letter of authorization.

(2) Owner of Collection/Transmission System

I, the undersigned owner or authorized representative\* of VBFF LLC certify that we will be the Owner of this project after it is placed into service. I agree that we will operate and maintain this project in a manner that will comply with applicable Department rules. Also I agree that we will promptly notify the Department if we sell or legally transfer ownership of this project.

Signed: [Signature] Date: 5/1/15  
Name: Victor Ballerby Title: Pres  
Company Name: Angler House Marinao, VBFF, LLC  
Address: 80500 Overseas Highway  
City: Islamorada State: Florida Zip: 33036  
Telephone: 954-270-1952 Fax: \_\_\_\_\_ Email: rayk0104@gmail.com  
\* Attach a letter of authorization.

(3) Wastewater Facility Serving Collection/Transmission System\*\*

If this is a Notice of Intent to use a general permit, check here:

The undersigned owner or authorized representative\* of the \_\_\_\_\_ wastewater facility hereby certifies that the above referenced facility has the capacity to receive the wastewater generated by the proposed collection system; is in compliance with the capacity analysis report requirements of Rule 62-600.405, F.A.C.; is not under a Department order associated with effluent violations or the ability to treat wastewater adequately; and will provide the necessary treatment and disposal as required by Chapter 403, F.S., and applicable Department rules.

If this is an application for an individual permit, check one:

- The undersigned owner or authorized representative\* of the Key Largo Wastewater Treatment District wastewater facility hereby certifies that the above referenced facility has and will have adequate reserve capacity to accept the flow from this project and will provide the necessary treatment and disposal as required by Chapter 403, F.S., and applicable Department rules.
- The undersigned owner or authorized representative\* of the \_\_\_\_\_ wastewater facility hereby certifies that the above referenced facility currently does not have, but will have prior to placing the proposed project into operation, adequate reserve capacity to accept the flow from this project and will provide the necessary treatment and disposal as required by Chapter 403, F.S., and applicable Department rules.

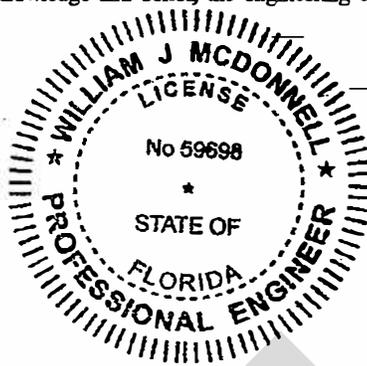
Name of Treatment Plant Serving Project: Key Largo Wastewater District  
County: Monroe City: Key Largo  
DEP permit number FL: 370967 Expiration Date: 8/8/15  
Maximum monthly average daily flow over the last 12 month period: 1.39 MGD Month(s) used: 11/2014  
Maximum three-month average daily flow over the last 12 month period: 1.34 MGD Month(s) used: 11,12,1  
Current permitted capacity: 2.3 MGD  AADF  MADF  TMADF  
Current outstanding flow commitments (including this project) against treatment plant capacity: 1.1 MGD

Signed: [Signature] Date: 5/15/15  
Name: Paul Christian Title: General Manager  
Address: P.O. Box 491  
City: Key Largo State: FL Zip: 33037  
Telephone: 305-451-4019 Fax: 305-453-5807 Email: Construction@KLWTD.com

\* Attach a letter of authorization.  
\*\* If there is an intermediate collection system, a letter shall be attached certifying that the intermediate downstream collection system has adequate reserve capacity to accept the flow from this project.

(4) Professional Engineer Registered in Florida

I, the undersigned professional engineer registered in Florida, certify that I am in responsible charge of the preparation and production of engineering documents for this project; that plans and specifications for this project have been completed; that I have expertise in the design of wastewater collection/transmission systems; and that, to the best of my knowledge and belief, the engineering design for this project complies with the requirements of Chapter 62-604, F.A.C.



((Affix Seal))

Signed: [Signature]  
Date: 5.2.2015

Name: William J McDonnell Florida Registration No: 59698  
Company Name: William J McDonnell  
Address: 98 Sabal Drive  
City: Punta Gorda State: Florida Zip: 33950  
Telephone: 941-575-1345 Fax: 941-575-1345 Email: mcdonnellwj@embarqmail.com  
Portion of Project for Which Responsible: Sanitary sewer connection to municipal collection system

((Affix Seal))

Signed: \_\_\_\_\_  
Date: \_\_\_\_\_

Name: \_\_\_\_\_ Florida Registration No: \_\_\_\_\_  
Company Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
Telephone: \_\_\_\_\_ Fax: \_\_\_\_\_ Email: \_\_\_\_\_  
Portion of Project for Which Responsible: \_\_\_\_\_

((Affix Seal))

Signed: \_\_\_\_\_  
Date: \_\_\_\_\_

Name: \_\_\_\_\_ Florida Registration No: \_\_\_\_\_  
Company Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
Telephone: \_\_\_\_\_ Fax: \_\_\_\_\_ Email: \_\_\_\_\_  
Portion of Project for Which Responsible: \_\_\_\_\_

**From:** [SD\\_newapps \(Shared Mailbox\)](#)  
**To:** [Fitzgerald, Mary](#)  
**Subject:** FW: Angler House Marina  
**Date:** Friday, June 05, 2015 4:22:57 PM  
**Attachments:** [AnglerHouse602](#)  
[AHM\\_Final\\_6.1.2015\\_Seal.pdf](#)

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**From:** South District (Shared Mailbox)  
**Sent:** Friday, June 05, 2015 3:03 PM  
**To:** SD\_newapps (Shared Mailbox)  
**Subject:** FW: Angler House Marina

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**From:** William McDonnell [<mailto:McDonnellWJ@embarqmail.com>]  
**Sent:** Friday, June 05, 2015 2:48 PM  
**To:** South District (Shared Mailbox)  
**Cc:** Beltran, Maria  
**Subject:** Angler House Marina

Attention: Mr. James Oni, P.E.

Subject: Angler House Marina, 80500 Overseas Highway, Islamorada

The Villages of Islamorada and Key Largo Wastewater Treatment District have recently confirmed that their new system has been designed with adequate capacity to accept anticipated flows from the above referenced resort property. They have also recently approved the permit application and site drawings for this property. We therefore request that you approve their Permit Application for construction of their 1.25" force main which will be connected to their LPFM system via a 2" stub-out provided by the Village of Islamorada.

Once a Permit Number is issued for this specific address payment will be made electronically according to FDEP Electronic Submission Requirements and confirmed by email.

Thank you for your consideration,

William J McDonnell, P.E.

Email: [mcdonnellwj@embarqmail.com](mailto:mcdonnellwj@embarqmail.com)

Tel.: 978-242-2255

**From:** [William McDonnell](mailto:William.McDonnell)  
**To:** [Beltran, Maria](mailto:Beltran.Maria)  
**Cc:** [rayk0104@gmail.com](mailto:rayk0104@gmail.com); [construction@klwtd.com](mailto:construction@klwtd.com)  
**Subject:** RE: RAI DEP PERMIT ANGLER HOUSE MARINA 281237-201-DWC/CL(connecting to Key Largo WWTP)  
**Date:** Tuesday, June 16, 2015 4:03:28 PM

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Dear Ms Beltran,

Thank you for your comments and request for additional information. Upon further discussion regarding one of the two "Existing Dwellings", I have just spoken with an agent on site and would like to clarify that the dwelling referred to in Item 4 of your comments, and as we discussed, is indeed a boat equipment storage unit, but the second floor is used as an office and does have a toilet. I will add that office to the description in (3) of the Permit Application, and will be revised on sheet 1/3 as requested, but the recorded flows from the Marina are the same, as measured by FCAA records.

Regarding the first part of your Item 5, please advise where I can locate 25-year flood elevations. FEMA currently only has 100-year flood elevations available and I cannot find other acceptable information in this regard. I will be pleased to add that information if you can point me to the source. I have spoken directly with FEMA on this, have exchanged emails on the subject, and gone through records at the Community Map Repository at the Village Hall, 8700 Overseas Highway in Islamorada, but still can find no other flood levels. The second part of Item 5 will be revised to match page 2(4) of the application.

As soon as I hear back from you regarding these clarifications I will make the necessary corrections and resubmit the corrected pages of the application and the site drawings.

Thank you for your considerations,

William J McDonnell, P.E.

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**From:** Beltran, Maria [mailto:Maria.Beltran@dep.state.fl.us]  
**Sent:** Tuesday, June 16, 2015 2:43 PM  
**To:** rayk0104@gmail.com; William McDonnell; construction@klwtd.com  
**Subject:** RAI DEP PERMIT ANGLER HOUSE MARINA 281237-201-DWC/CL(connecting to Key Largo WWTP)

**SENT ON BEHALF OF JAMES ONI, P.E.**

**Dear Mr. McDonnell,**

**Thank you for your application for a collection system project for the ANGLER HOUSE MARINA 281237-201-DWC/CL(connecting to Key Largo WWTP)that was received in our office on June 5, 2015.**

**The subject application has been reviewed and was found to be incomplete. Pursuant to the requirements of Chapter 62-4.055, Florida Administrative Code (FAC), please provide the following information by June 29, 2015:**

1. **Page 2(2) General Project Information of the application: Include the proposed 3” vacuum sewer and pump-outs as part of this application.**
2. **Items 7 through 19 should be x’d and included in the explanation of x’d items page 9(b) of the application.**
3. **Item 74 should be initialed and removed from the explanation of x’d items on page 9(b) of the application.**
4. **Revise sheet 1/3 of the submitted design drawings to show the existing dwelling to be boat storage units per our phone conversation. Also provide the size of the connection point.**
5. **Revise sheet 2/3 of the submitted design drawings to provide the 25 year flood elevation and verify the pump operating conditions with page 2(4) of the application.**

**ALL REVISED PAGES OF THE APPLICATION AND SITE PLANS MUST BE SIGNED, SEALED, AND DATED BY A PROFESSIONAL ENGINEER REGISTERED IN FLORIDA AND SUBMITTED ELECTRONICALLY TO [SD\\_NEWAPPS@DEP.STATE.FL.US](mailto:SD_NEWAPPS@DEP.STATE.FL.US).**

**If there are any questions, please feel free to write or contact me at 239 344 5624.**

**Sincerely,**

Maria Beltran  
Operations Analyst II  
2295 Victoria Avenue, Suite 364  
P.O. Box 2549  
Fort Myers, Florida 33902-2549  
[Maria.beltran@dep.state.fl.us](mailto:Maria.beltran@dep.state.fl.us)  
Direct: 239-344-5624  
Main: 239-344-5600  
Fax: 850-412-0590

As the Department is going paperless please send all correspondence to [southdistrict@dep.state.fl.us](mailto:southdistrict@dep.state.fl.us).

[ ]



# Florida Department of Environmental Protection

Rick Scott  
Governor

Carlos Lopez-Cantera  
Lt. Governor

South District  
Post Office Box 2549  
Fort Myers, Florida 33902-2549  
[SouthDistrict@dep.state.fl.us](mailto:SouthDistrict@dep.state.fl.us)

Jonathan P. Steverson  
Interim Secretary

## VIA ELECTRONIC MAIL

In the Matter of an  
Application for Permit by:

### Permittee:

Angler House Marina, VBFF, LLC  
Victor Ballestros, President  
80500 Overseas Highway  
Islamorada, Florida 33036  
[Rayk0104@gmail.com](mailto:Rayk0104@gmail.com)

**Permit Number:** 281237-201-DWC/CM

**Issued:** June 22, 2015

**Expires:** June 21, 2020

**Project:** Angler House Marina (**Vacuum**)

**Connected to:** Key Largo WWTD

**County:** Monroe

## NOTICE OF PERMIT ISSUANCE

Enclosed is Permit Number 281237-201-DWC/CM to construct a sewage collection/transmission system pursuant to Chapter 403, Florida Statutes (FS) and Florida Administrative Code (F.A.C.) Rules 62-4 and 62-604.

The Department's proposed agency action shall become final unless a timely petition for an administrative hearing is filed under Sections 120.569 and 120.57, Florida Statutes, within 14 days of receipt of notice. The procedures for petitioning for a hearing are set forth below.

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

Petitions by the applicant or any of the persons listed below must be filed within 14 days of receipt of this written notice. Petitions filed by any persons other than those entitled to written notice under Section 120.60(3), Florida Statutes, must be filed within 14 days of publication of the notice or within 14 days of receipt of the written notice, whichever occurs first. Under Section 120.60(3), Florida Statutes, however, any person who has asked the Department for notice of agency action may file a petition within 14 days of receipt of such notice, regardless of the date of publication.

The petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. The failure of any person to file a petition within 14 days of receipt of notice shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, Florida Statutes. Any subsequent intervention (in a proceeding initiated by another party) will be only at the discretion of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, Florida Administrative Code.

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

- (a) The name, address, and telephone number of each petitioner; the name, address, and telephone number of the petitioner's representative, if any; the Department permit identification number and the county in which the subject matter or activity is located;

- (b) A statement of how and when each petitioner received notice of the Department action;
- (c) A statement of how each petitioner's substantial interests is affected by the Department action;
- (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;
- (e) A statement of facts that the petitioner contends warrant reversal or modification of the Department action;
- (f) A concise statement of the ultimate facts alleged, as well as the rules and statutes which entitle the petitioner to relief; and
- (g) A statement of the relief sought by the petitioner, stating precisely the action that the petitioner wants the Department to take.

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

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

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

Any party to the permit has the right to seek judicial review of the permit action under Section 120.68, Florida Statutes, by the filing of a notice of appeal under Rules 9.110 and 9.190, Florida Rules of Appellate Procedure, with the Office of General Counsel, Mail Station 35, 3900 Commonwealth Boulevard, Tallahassee, Florida, 32399-3000; and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice of appeal must be filed within 30 days from the date when this permit action is filed with the clerk of the Department.

Executed in Fort Myers, Florida

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL PROTECTION



for

Jon M. Iglehart  
Director of  
District Management

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this NOTICE OF PERMIT ISSUANCE and all copies were mailed before the close of business on June 22, 2015 to the listed persons.

FILING AND ACKNOWLEDGMENT

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



Clerk

June 22, 2015

Date

JMI/MM/OJO/MAB/se

Copies furnished to:

Paul Christian, [construction@klwtd.com](mailto:construction@klwtd.com)

William J. McDonnell, P.E. [mcdonnellwj@embarqmail.com](mailto:mcdonnellwj@embarqmail.com)

Gus Rios, FDEP (Marathon), [gus.rios@dep.state.fl.us](mailto:gus.rios@dep.state.fl.us)



# Florida Department of Environmental Protection

Rick Scott  
Governor

Carlos Lopez-Cantera  
Lt. Governor

South District  
Post Office Box 2549  
Fort Myers, Florida 33902-2549  
[SouthDistrict@dep.state.fl.us](mailto:SouthDistrict@dep.state.fl.us)

Jonathan P. Steverson  
Interim Secretary

In the Matter of an  
Application for Permit by:

**Permittee:**

Angler House Marina, VBFF, LLC  
Victor Ballestros, President  
80500 Overseas Highway  
Islamorada, Florida 33036  
[Rayk0104@gmail.com](mailto:Rayk0104@gmail.com)

**Permit Number:** 281237-201-DWC/CM

**Issued:** June 22, 2015

**Expires:** June 21, 2020

**Project:** Angler House Marina (**Vacuum**)

**Connected to:** Key Largo WWTD

**County:** Monroe

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

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

**DESCRIPTION OF PROJECT:** The construction of 610 LF of 1.25" HDPE Force Main, 830 LF of 3" PVC SCH 40 vacuum main, 7 pump out stations, and one duplex pump station, per application materials received June 5, 2015 with additional information received on June 17, 2015.

**LOCATION OF PROJECT:** Section 06, Township 64, Range 37 in Islamorada, Monroe County, Florida.

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

**PERMIT CONDITIONS:**

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

3. The new or modified collection/transmission facilities shall not be placed into service until the Department clears the project for use [62-604.700(3), 11-6-03].
4. Permit revisions shall only be made in accordance with Rule 62-4.050(4)(s), F.A.C. Request for revisions shall be made to the Department in writing and shall include the appropriate fee. Revisions not covered under Rule 62-4.050(4)(s), F.A.C., shall require a new permit [62-604.600(8), 11-6-03].
5. Abnormal events shall be reported to the Department's South District Office in accordance with Rule 62-604.550, F.A.C. For unauthorized spills of wastewater in excess of 1000 gallons per incident, or where information indicates that public health or the environment may be endangered, oral reports shall be provided to the STATE WARNING POINT TOLL FREE NUMBER (800) 320-0519 as soon as practical, but no later than 24 hours from the time the permittee or other designee becomes aware of the circumstances. Unauthorized releases or spills less than 1000 gallons per incident are to be reported orally to the Department's Marathon Branch Office at (305) 289-7070 within 24 hours from the time the permittee, or other designee becomes aware of the circumstances [62-604.550, 11-6-03].
6. The design and construction of the wastewater collection/transmission system shall be in accordance with provisions of Florida Administrative Code (F.A.C.) with particular attention to the applicable requirements of the manuals regarding alternative wastewater collection systems incorporated by reference by F.A.C. Rules 62-604.300(1), 62-604.300(5)(b) and (c) and (j).
7. The design and construction of the alternative wastewater collection/transmission system shall be in accordance with provisions of Florida Administrative Code (F.A.C.) Rule 62-604, with particular attention to the items of F.A.C. Rule(s) 62-604.400(2)(g) through (j).
8. The vacuum system is to be designed with an alarm system which activates in cases of malfunction. The alarm will be telemetered to a facility that is manned 24 hours a day. If such a facility is not available, the alarm is designed to be telemetered to utility offices during normal working hours and to the home of the responsible person(s) in charge of the vacuum system during off-duty hours. If an alternate alarm system is used, documentation showing it will provide an equivalent level of reliability and public health protection will be furnished to this office.
9. This permit is for CONSTRUCTION ONLY of the collection/transmission system project. This permit does not authorize the connection of this collection/transmission system project to the designated wastewater treatment plant. This permit shall not be construed to infer that the clearance necessary for connection shall be granted.

**SPECIFIC PERMIT CONDITIONS:**

1. All new wastewater collection/transmission systems and modifications of existing systems shall be located at least 100 feet from a public drinking water supply well.
2. Except as provided in Section 62-604.400(3), F.A.C., sewer pipes/force mains should cross under water mains.
3. For sewer crossings, all crossings shall be arranged so that the sewer pipe joints are equidistant as far as possible from the water main joints. At crossings, all vacuum sewer joints must maintain a minimum distance of 3 feet from water main joints. All gravity or pressure type sanitary sewers and wastewater force main joints shall maintain a minimum distance of 6 feet from water main joints.

4. Except as provided under 62-604.400(3), F.A.C., all sewers and force mains shall be laid at least 10 feet horizontally (outside to outside) from a water main and 3 feet minimum (outside to outside) from a reclaimed water pipe permitted under Part III of Chapter 62-610, F.A.C.
5. A vertical separation of at least 18 inches must be maintained when a sewer pipe crosses a water main, except as provided under Section 62-604.400(3), F.A.C
6. When any existing asbestos cement (AC) pipes are replaced under this permit, the permittee shall do so in accordance with the applicable rules of Federal Asbestos Regulation and Florida DEP requirements. For specific requirements applicable to AC pipes, the permittee should contact the Department prior to commencing any such activities at (239) 344-5600. Please be aware that a notification is required to be submitted to the Department for a regulated project.
7. The Operation and maintenance of the collection system shall be in accordance with the requirements of section 62-604.500 F.A.C.

Executed in Fort Myers, Florida.

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL PROTECTION



for

Jon M. Iglehart  
Director of  
District Management