

## Florida Department of Environmental Protection

Twin Towers Office Bldg., 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)	EDUs Served	Application Fee*	"X"
Are you applying for an individual permit for a domestic wastewater collection/transmission system? Note: an EDU is equal to 3.5 persons. Criteria for an individual permit are contained in Rule 62-604.600(7), F.A.C.	≥ 10	\$500	
	< 10	\$300	
Is this a Notice of Intent to use the general permit for wastewater collection/transmission systems? Criteria for qualifying for a general permit are contained in Rule 62-604.600(6), F.A.C. Projects not meeting the criteria in Rule 62-604.600(6), F.A.C., must apply for an individual permit.	N/A	\$250	

<sup>\*</sup>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:
  - If this is a Notice of Intent to use the general permit, this notification shall be submitted to the Department at least 30 days prior to initiating construction.
  - If this is an application for an individual permit, the permit must be obtained prior to initiating construction.
- (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. Checks should be made payable to the Florida Department of Environmental Protection, or the name of the appropriate delegated local program.
  - If this is a Notice of Intent to use the general permit, attach a site plan or sketch showing the size and approximate location of new or altered gravity sewers, pump stations and force mains; showing the approximate location of manholes and isolation valves; and showing how the proposed project ties into the existing or proposed wastewater facilities. The site plan or sketch shall be signed and sealed by a professional engineer registered in Florida.
  - If this is an application for an individual permit, one set of plans and specifications shall be submitted with this application, or alternatively, an engineering report shall be submitted. Plans and specifications and engineering reports shall be prepared in accordance with the applicable provisions of Chapters 10 and 20 of *Recommended Standards for Wastewater Facilities*. The plans and specifications or engineering report shall be signed and sealed by a Professional Engineer registered in Florida.
- (3) All information shall be typed or printed in ink. Where attached sheets (or other technical documentation) are utilized in lieu of the blank spaces provided, indicate appropriate cross-references on the form. For Items (1) through (4) of Part II of this application form, if an item is not applicable to your project, indicate "NA" in the appropriate space provided.

#### PART II - PROJECT DOCUMENTATION

(1) Collection/Ti	ansmissio	n System Perm	ittee					
Name				Title				
Company Name	<b>;</b>							
Address								
City				State		Zip		
Telephone		Fa		Email				
(2) General Proje	ect Inform	ation						
Project Name								
Location: County			City	Section		nship		ange
of pump stations)	_	ose (including pi	pe length, range of pip	e diameter, total numb	er of mannoles, a	nd total num	oer	
Estimated date for	r: Start of c	construction		Completi	on of construction	n		
			system or treatment p					
A = Type of	Unit	B = Number of Units	C = Population Per Unit	D = Total Population (Columns B x C)	E = Per Capita Flow	F = Total A Daily F (Columns	low	G = Peak hour flow
Single-Family Ho Mobile Home	ome							
Apartment								
Commercial, Insti or Industrial Facil								
Total								
* Description of c	ommercial,	institutional, and	l industrial facilities ar	nd explanation of meth	od used to estima	te per capita f	flow for the	se facilities:
			1 1 .	7)				
(4) Pump Station	Data (atta	ached additiona			on (GPD)			
(4) Pump Station				mated Flow to the Stati Average	on (GPD) Minir	num	Operating	Conditions
		Type	Estin	nated Flow to the Stati		num		Conditions FT (TDH)]
			Estin	nated Flow to the Stati		num		
			Estin	nated Flow to the Stati		num		

#### (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

 1.	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]
 2.	Procedures are specified for operation of the collection/transmission system during construction. [RSWF 20.15]
 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.]
 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]
 5.	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.]
 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
 7.	The project is designed with no public gravity sewer conveying raw wastewater less than 8 inches in diameter. [RSWF 33.1]
 8.	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]
 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]
 10.	Sewers are designed with uniform slope between manholes. [RWSF 33.44]
 11.	Where velocities greater than 15 fps are designed, provisions to protect against displacement by erosion and impact are specified. [RSWF 33.45]
 12.	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]
 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]
 14.	Suitable couplings complying with ASTM specifications are required for joining dissimilar materials. [RSWF 33.7]
 15.	Sewers are designed to prevent damage from superimposed loads. [RSWF 33.7]

 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]
 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]
 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]
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]
	<u>Manholes</u>
 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]
 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]
 22.	Manholes are designed with a minimum diameter of 48 inches and a minimum access diameter of 22 inches. [RSWF 34.3]
 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]
 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]
 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]
 26.	Electrical equipment specified for use in manholes is consistent with Item 46 of this checklist. [RSWF 34.9]
	Stream Crossings
 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]

2	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 form the shoreline to prevent discharge in the event the line is damaged. [62- $604.400(2)(k)5.$ , F.A.C.]
2	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]
3	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.]
3	31.	Provisions for testing the integrity of subaqueous lines are specified. [62-604.400(2)(k)4., F.A.C.]
3	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]
3	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.]
		Pump Stations
3	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.]
3	35.	$Pump\ stations\ are\ designed\ to\ be\ readily\ accessible\ by\ maintenance\ vehicles\ during\ all\ weather\ conditions.\ [RSWF\ 41.2]$
3	36.	Wet well and pump station piping is designed to avoid operational problems from the accumulation of grit. [RSWF $41.3$ ]
3	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]
3	38.	The design includes provisions to facilitate removing pumps, motors, and other mechanical and electrical equipment. [RSWF 42.22]

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]
 40.	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]
 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]
 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]
 43.	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.)
 44.	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]
45.	The design requires: 1) pump stations be protected from lightning and transient voltage surges; and 2) pump stations be equipped with lighting 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.]
46.	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]
 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]
 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]
 49.	The design includes provisions to automatically alternate the pumps in use. [RSWF 42.4]
 50.	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]
 51.	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]
 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]

 53.	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]
 54.	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]
 55.	The design requires all intermittently operated ventilation equipment to be interconnected with the respective pit lighting system and the manual lighting/ventilation switch to override the automatic controls. [RSWF 42.73]
 56.	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]
 57.	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]
 58.	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 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]
 59.	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.]
 60.	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.]
 61.	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]
 62.	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.]
	Additional Items to be Completed for Suction-Lift Pump Stations
 63.	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]
 64.	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 remove for service; and 4) no valving be located in the wet well. [RSWF 43.2]

	Additional Items to be Completed for Submersible Pump Stations
 65.	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]
 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]
68.	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]
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.	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]
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]
73.	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]
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]

75	5. 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]
76	5. For permanently-installed or portable engine-driven pumps are used, the design includes provisions for manual start-up. [RSWF 46.422]
77	7. 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]
	Force Mains
78	3. 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]
79	O. 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	). The design requires air relief valves be placed at high points in the force main to prevent air locking. [RSWF 48.2]
81	. 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	2. 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	3. 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	1. Leakage tests for force mains are specified including testing methods and leakage limits. [RSWF 48.8]
*RSWF = I	Recommended Standards for Wastewater Facilities (1997) as adopted by rule 62-604.300(5)(c), F.A.C.
B. Explai	nation for Requirements or Standards Marked "X" in II(5)A. Above (Attach additional sheets if necessary):
(1) Collec	PART III - CERTIFICATIONS tion/Transmission System Permittee
am fu belief, prepar operat Florid	undersigned owner or authorized representative* of  lly aware that the statements made in this application for a construction permit are true, correct and complete to the best of my knowledge an I agree to retain the design engineer or another professional engineer registered in Florida, to conduct on-site observation of construction, the a certification of completion of construction, and to review record drawings for adequacy. Further, I agree to provide an appropriate ion and maintenance manual for the facilities pursuant to Rule 62-604.500(4), F.A.C., and to retain a professional engineer registered in a to examine (or to prepare if desired) the manual. I am fully aware that Department approval must be obtained before this project is placed envice for any purpose other than testing for leaks and testing equipment operation.
Signe	d Date
Name	
*Attaci	h a letter of authorization.

Page 9 of 11

Name   Leo Repetit, P.E.   Part   Project Engineer   Project Engineer		e Department rules. Also I agre	ee that we will promptly notify	the Department	ii we seli or legaliy trans.	ier ownersnip of this	s project.
Address 3473 S.E. Willoughby Blvd Ste 102  State FL Zip 34994  Telephone (772) 221-1442 Fax (772) 221-1447 Email Inepetti@martin.fl.us  *Attach a letter of authorization.  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 hereby certifies that the above referenced facility has the capacity and will provide the necessary treatment and disposal as required by Chapter 403, F.S., and applicable Department and disposal as required by Chapter 403, F.S., and applicable Department and disposal as required by Chapter 403, F.S., and applicable Department and disposal as required by Chapter 403, F.S., and applicable Department and disposal as required by Chapter 403, F.S., and applicable Department and disposal as required by Chapter 403, F.S., and applicable Department and disposal as required by Chapter 403, F.S., and applicable Department and disposal as required by Chapter 403, F.S., and applicable Department and disposal as required by Chapter 403, F.S., and applicable Department and disposal as required by Chapter 403, F.S., and applicable Department and disposal as required by Chapter 403, F.S., and applicable Department rules.    □ The undersigned owner or authorized representative* of the 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 Martin County Tropical Farms Wastewater Treatment Facility  County Martin City Staut    City Staut   DEP permit number FL 0043214   ExpirationDate   10/28/2022   Maximum monthly average daily flow over the last 12 month period   M.G.D. 3.405   Month(s) used   03/20   Month(s) used   03/20   M.G.D. 5.900 M.G.D   A.D.F   M.A.D.	Signed			Date			
Address   3473 S.E. Willoughby Blvd Ste 102	Name	Leo Repetti, P.E.		Title Pro	ject Engineer		
City Stuart	Company	Name Martin County	Utilities & Solid Waste Depa	artment			
Telephone (772) 221-1442 Fax (772) 221-1447 Email Irepetti@martin.fl.us  *Attach a letter of authorization.  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 hereby certifies that the above referenced facility has the capacity to receive the wastewater generated by the proposed collection system; is: 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 hereby certifies that the above referenced facility has and will have adequate reserve capacity to accept the flow from this project and wiprovide the necessary treatment and disposal as required by Chapter 403, F.S., and applicable Department rules.    The undersigned owner or authorized representative* of the 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	Address	3473 S.E. Willoughby I	Blvd Ste 102				
***Attach a letter of authorization.**  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 generated by the proposed collection system; is a 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   wastewater facility hereby certifies that the above referenced facility has and will have adequate reserve capacity to accept the flow from this project and w 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   Martin County Tropical Farms Wastewater Treatment Facility    DEP permit number   FL   0043214   ExpirationDate   10/28/2022    Maximum monthly average daily flow over the last 12 month period   3.591MGD   Month(s) used   03/20    Maximum three-month average daily flow over the last 12 month period   MGD 3.405   Month(s) used   03/20    Current permitted capacity   MADF   MADF	City	Stuart		State FL		Zip 34994	
If this is a Notice of Intent to use a general permit, check here:    The undersigned owner or authorized representative* of the hereby certifies that the above referenced facility has the capacity to receive the wastewater generated by the proposed collection system; is 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 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 rules.    The undersigned owner or authorized representative* of the 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	-		Fax (772) 221-1447	Email	lrepetti@martin.fl.u	us	
The undersigned owner or authorized representative* of the mereby certifies that the above referenced facility has the capacity to receive the wastewater generated by the proposed collection system; is a 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 mereby 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 mereby 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 Martin County Tropical Farms Wastewater Treatment Facility  County Martin  City Stuart  DEP permit number FL 0043214 ExpirationDate 10/28/2022  Maximum monthly average daily flow over the last 12 month period 3.359 IMGD Month(s) used 02/20  Maximum three-month average daily flow over the last 12 month period MGD 3.405 Month(s) used 03/20  Current permitted capacity MGD 5.900 MGD AADF MADF MADF  Current outstanding flow commitments (including this project) against treatment plant capacity: 0.145 MGD  Signed Date  Name Leo Repetti, P.E. Title Project Engineer  Address 3473 S.E. Willoughby Blvd. Ste 102	Wastewat	er Facility Serving Collection	on/Transmission System**				
hereby certifies that the above referenced facility has the capacity to receive the wastewater generated by the proposed collection system; is a 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 application for an individual permit, check one:    The undersigned owner or authorized representative* of the 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   Martin County Tropical Farms Wastewater Treatment Facility	If this is a	Notice of Intent to use a gener	ral permit, check here:				
hereby certifies that the above referenced facility has the capacity to receive the wastewater generated by the proposed collection system; is a 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 application for an individual permit, check one:    The undersigned owner or authorized representative* of the 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   Martin County Tropical Farms Wastewater Treatment Facility	☐ The	undersigned owner or authoriz	zed representative* of the			wastewa	ter facility
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 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 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 Martin County Tropical Farms Wastewater Treatment Facility  County Martin City Stuart  DEP permit number FL 0043214 ExpirationDate 10/28/2022  Maximum monthly average daily flow over the last 12 month period 3.591MGD Month(s) used 02/20  Maximum three-month average daily flow over the last 12 month period MGD 3.405 Month(s) used 03/20  Current permitted capacity MGD 5.900 MGD AADF MADF TMADF  Current outstanding flow commitments (including this project) against treatment plant capacity: 0.145 MGD  Signed Date Title Project Engineer  Address 3473 S.E. Willoughby Blvd. Ste 102				o receive the wa	stewater generated by the		
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 hereby certifies that the above referenced facility has and will have adequate reserve capacity to accept the flow from this project and with 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 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  Martin County Tropical Farms Wastewater Treatment Facility  County Martin  City  Stuart  DEP permit number  FL 0043214  ExpirationDate  10/28/2022  Maximum monthly average daily flow over the last 12 month period  3.591MGD  Month(s) used  02/20  Maximum three-month average daily flow over the last 12 month period  MGD 3.405  Month(s) used  03/20  Current permitted capacity  MGD 5.900 MGD  AADF MADF  Current outstanding flow commitments (including this project) against treatment plant capacity:  0.145 MGD  Signed  Name  Leo Repetti, P.E.  Title  Project Engineer  Address 34/73 S.E. Willoughby Blvd. Ste 102							
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 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 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  Martin County Tropical Farms Wastewater Treatment Facility  County Martin  City Stuart  DEP permit number FL 0043214  ExpirationDate  Micropolate 10/28/2022  Maximum monthly average daily flow over the last 12 month period  Micropolate 3.591MGD  Month(s) used 02/20  Maximum three-month average daily flow over the last 12 month period  Micropolate 3.591MGD  Month(s) used 03/20  Current permitted capacity  Micropolate 403, F.S., and applicable Department rules.  Name Leo Repetti, P.E.  Title Project Engineer  Address 3473 S.E. Willoughby Blvd. Ste 102							
The undersigned owner or authorized representative* of the 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 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 Martin County Tropical Farms Wastewater Treatment Facility  County Martin County Martin City Stuart  DEP permit number FL 0043214 ExpirationDate 10/28/2022  Maximum monthly average daily flow over the last 12 month period 3.591MGD Month(s) used 02/20  Maximum three-month average daily flow over the last 12 month period MGD 3.405 Month(s) used 03/20  Current permitted capacity MGD 5.900 MGD AADF MADF TMADF  Current outstanding flow commitments (including this project) against treatment plant capacity: 0.145 MGD  Signed Date  Name Leo Repetti, P.E. Title Project Engineer  Address 3473 S.E. Willoughby Blvd. Ste 102				1	Ť	1 1	J
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 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 Martin County Tropical Farms Wastewater Treatment Facility  County Martin City Stuart  DEP permit number FL 0043214 ExpirationDate 10/28/2022  Maximum monthly average daily flow over the last 12 month period 3.591MGD Month(s) used 02/20  Maximum three-month average daily flow over the last 12 month period MGD 3.405 Month(s) used 03/20  Current permitted capacity MGD 5.900 MGD AADF MADF TMADF  Current outstanding flow commitments (including this project) against treatment plant capacity: 0.145 MGD  Signed Date  Name Leo Repetti, P.E.  Address 3473 S.E. Willoughby Blvd. Ste 102	If this is a	n application for an individual	permit, check one:				
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 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 Martin County Tropical Farms Wastewater Treatment Facility  County Martin City Stuart  DEP permit number FL 0043214 ExpirationDate 10/28/2022  Maximum monthly average daily flow over the last 12 month period 3.591MGD Month(s) used 02/20  Maximum three-month average daily flow over the last 12 month period MGD 3.405 Month(s) used 03/20  Current permitted capacity MGD 5.900 MGD AADF MADF TMADF  Current outstanding flow commitments (including this project) against treatment plant capacity: 0.145 MGD  Signed Date  Name Leo Repetti, P.E.  Address 3473 S.E. Willoughby Blvd. Ste 102							
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 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	☐ The	undersigned owner or authoriz	zed representative* of the			wastewate	er facility
The undersigned owner or authorized representative* of the 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 Chapt 403, F.S., and applicable Department rules.  Name of Treatment Plant Serving Project Martin County Tropical Farms Wastewater Treatment Facility  County Martin City Stuart  DEP permit number FL 0043214 ExpirationDate 10/28/2022  Maximum monthly average daily flow over the last 12 month period 3.591MGD Month(s) used 02/20  Maximum three-month average daily flow over the last 12 month period MGD 3.405 Month(s) used 03/20  Current permitted capacity MGD 5.900 MGD AADF MADF MADF  Current outstanding flow commitments (including this project) against treatment plant capacity: 0.145 MGD  Signed Date  Name Leo Repetti, P.E. Title Project Engineer  Address 3473 S.E. Willoughby Blvd. Ste 102				ve adequate res	erve canacity to accept the		•
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 Chapted 403, F.S., and applicable Department rules.  Name of Treatment Plant Serving Project  Martin County Tropical Farms Wastewater Treatment Facility  County Martin  City Stuart  DEP permit number FL 0043214  ExpirationDate  Maximum monthly average daily flow over the last 12 month period  Maximum three-month average daily flow over the last 12 month period  MGD 3.405  Month(s) used 02/20  Current permitted capacity  MGD 5.900 MGD AADF MADF TMADF  Current outstanding flow commitments (including this project) against treatment plant capacity:  Date  Name Leo Repetti, P.E.  Title Project Engineer  Address 3473 S.E. Willoughby Blvd. Ste 102	herel	by certifies that the above refe	renced facility has and will har			he flow from this pr	•
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 Chapted 403, F.S., and applicable Department rules.  Name of Treatment Plant Serving Project  Martin County Tropical Farms Wastewater Treatment Facility  County Martin  City Stuart  DEP permit number FL 0043214  ExpirationDate  Maximum monthly average daily flow over the last 12 month period  Maximum three-month average daily flow over the last 12 month period  MGD 3.405  Month(s) used 02/20  Current permitted capacity  MGD 5.900 MGD AADF MADF TMADF  Current outstanding flow commitments (including this project) against treatment plant capacity:  Date  Name Leo Repetti, P.E.  Title Project Engineer  Address 3473 S.E. Willoughby Blvd. Ste 102	herel	by certifies that the above refe	renced facility has and will har			he flow from this pr	•
adequate reserve capacity to accept the flow from this project and will provide the necessary treatment and disposal as required by Chapt 403, F.S., and applicable Department rules.  Name of Treatment Plant Serving Project  Martin County Tropical Farms Wastewater Treatment Facility  County Martin  City Stuart  DEP permit number FL 0043214  ExpirationDate  Maximum monthly average daily flow over the last 12 month period  Maximum three-month average daily flow over the last 12 month period  MGD 3.405  Month(s) used 02/20  Current permitted capacity  MGD 5.900 MGD AADF MADF TMADF  Current outstanding flow commitments (including this project) against treatment plant capacity:  0.145 MGD  Signed  Name Leo Repetti, P.E.  Title Project Engineer  Address 3473 S.E. Willoughby Blvd. Ste 102	herel	by certifies that the above refe ide the necessary treatment and	renced facility has and will har I disposal as required by Chapte			he flow from this prules.	roject and wi
Name of Treatment Plant Serving Project  Martin County Tropical Farms Wastewater Treatment Facility  County Martin  DEP permit number FL 0043214  Maximum monthly average daily flow over the last 12 month period 3.591MGD  Maximum three-month average daily flow over the last 12 month period MGD 3.405  MGD 5.900 MGD AADF MONTH(s) used 03/20  Current permitted capacity  MGD 5.900 MGD AADF MADF MADF  Current outstanding flow commitments (including this project) against treatment plant capacity: 0.145 MGD  Signed  Name Leo Repetti, P.E.  Title Project Engineer  Address 3473 S.E. Willoughby Blvd. Ste 102	herel provi	by certifies that the above refe ide the necessary treatment and undersigned owner or authoriz	renced facility has and will have a like the last of t	er 403, F.S., and	applicable Department r	he flow from this prules.  wastewate	roject and wi
Name of Treatment Plant Serving Project  Martin County Tropical Farms Wastewater Treatment Facility  County Martin  City Stuart  DEP permit number FL 0043214  ExpirationDate  Maximum monthly average daily flow over the last 12 month period  Maximum three-month average daily flow over the last 12 month period  MGD 3.405  Month(s) used 02/20  Maximum three-month average daily flow over the last 12 month period  MGD 5.900 MGD AADF MADF MADF  Current outstanding flow commitments (including this project) against treatment plant capacity:  O.145 MGD  Signed  Name Leo Repetti, P.E.  Title Project Engineer  Address 3473 S.E. Willoughby Blvd. Ste 102	herel provi	by certifies that the above refer ide the necessary treatment and undersigned owner or authorize by certifies that the above refer	renced facility has and will have a disposal as required by Chapte and representative* of the renced facility currently does not be renced facility.	ot have, but wil	applicable Department r	ne flow from this prules.  wastewate e proposed project i	roject and wi er facility nto operation
County Martin  DEP permit number FL 0043214  Maximum monthly average daily flow over the last 12 month period  Maximum three-month average daily flow over the last 12 month period  MGD 3.405  Month(s) used 02/20  MGD 3.405  Month(s) used 03/20  Current permitted capacity  MGD 5.900 MGD AADF MADF MADF  Current outstanding flow commitments (including this project) against treatment plant capacity:  O.145 MGD  Signed  Name Leo Repetti, P.E.  Title Project Engineer  Address 3473 S.E. Willoughby Blvd. Ste 102	herel provi	by certifies that the above reference the necessary treatment and undersigned owner or authorized to certifies that the above reference to accept the compact the compact to the compact the	renced facility has and will have a disposal as required by Chapte and representative* of the renced facility currently does not the flow from this project and	ot have, but wil	applicable Department r	ne flow from this prules.  wastewate e proposed project i	roject and wi er facility nto operation
DEP permit number FL 0043214 ExpirationDate Maximum monthly average daily flow over the last 12 month period 3.591MGD Month(s) used 02/20 Maximum three-month average daily flow over the last 12 month period MGD 3.405 Month(s) used 03/20 Current permitted capacity MGD 5.900 MGD AADF MADF MADF Current outstanding flow commitments (including this project) against treatment plant capacity: 0.145 MGD  Signed Date Name Leo Repetti, P.E. Title Project Engineer Address 3473 S.E. Willoughby Blvd. Ste 102	herel provi	by certifies that the above reference the necessary treatment and undersigned owner or authorized to certifies that the above reference to accept the compact the compact to the compact the	renced facility has and will have a disposal as required by Chapte and representative* of the renced facility currently does not the flow from this project and	ot have, but wil	applicable Department r	ne flow from this prules.  wastewate e proposed project i	roject and wi er facility nto operation
Maximum monthly average daily flow over the last 12 month period  Maximum three-month average daily flow over the last 12 month period  MGD 3.405  Month(s) used  02/20  MGD 5.900 MGD  AADF  MADF  TMADF  Current outstanding flow commitments (including this project) against treatment plant capacity:  0.145 MGD  Signed  Name  Leo Repetti, P.E.  Title  Project Engineer  Address 3473 S.E. Willoughby Blvd. Ste 102	herel prove	oy certifies that the above reference to the necessary treatment and undersigned owner or authorized to certifies that the above reference to accept the property of the prope	renced facility has and will have a disposal as required by Chapter and representative* of the renced facility currently does not the flow from this project and not rules.	ot have, but will will provide the	applicable Department r  I have prior to placing the necessary treatment an	wastewate e proposed project i d disposal as require	roject and wi
Maximum three-month average daily flow over the last 12 month period  Current permitted capacity  Current outstanding flow commitments (including this project) against treatment plant capacity:  Outstanding flow commitments (including this project) against treatment plant capacity:  Outstanding flow commitments (including this project) against treatment plant capacity:  Outstanding flow commitments (including this project) against treatment plant capacity:  Outstanding flow commitments (including this project) against treatment plant capacity:  Outstanding flow commitments (including this project) against treatment plant capacity:  Outstanding flow commitments (including this project) against treatment plant capacity:  Outstanding flow commitments (including this project) against treatment plant capacity:  Outstanding flow commitments (including this project) against treatment plant capacity:  Outstanding flow commitments (including this project) against treatment plant capacity:  Outstanding flow commitments (including this project) against treatment plant capacity:  Outstanding flow commitments (including this project) against treatment plant capacity:  Outstanding flow commitments (including this project) against treatment plant capacity:  Outstanding flow commitments (including this project) against treatment plant capacity:  Outstanding flow commitments (including this project) against treatment plant capacity:  Outstanding flow commitments (including this project) against treatment plant capacity:  Outstanding flow commitments (including this project) against treatment plant capacity:  Outstanding flow commitments (including this project) against treatment plant capacity:  Outstanding flow commitments (including this project) against treatment plant capacity:  Outstanding flow commitments (including this project) against treatment plant capacity:  Outstanding flow commitments (including this project) against treatment plant capacity:  Outstanding flow commitments (including this project) against treatment	herel provi	oy certifies that the above reference to the necessary treatment and undersigned owner or authorized to certifies that the above reference to accept the service of the ser	renced facility has and will have a disposal as required by Chapter and representative* of the renced facility currently does not the flow from this project and not rules.	ot have, but will will provide the	applicable Department r  I have prior to placing the necessary treatment and vastewater Treatment Fac	ne flow from this prules.  wastewate e proposed project i d disposal as require	roject and wi
Current permitted capacity  Current outstanding flow commitments (including this project) against treatment plant capacity:  Date  Name  Leo Repetti, P.E.  Address 3473 S.E. Willoughby Blvd. Ste 102	herel provide the herel adeq 403, Name of County	oy certifies that the above reference to the necessary treatment and conditions are the necessary treatment and conditions are the necessary treatment and conditions are the necessary treatment experience of the necessary treatment and conditions are the necessary	renced facility has and will had disposal as required by Chapte and representative* of the renced facility currently does not the flow from this project and not rules.  Martin County To	ot have, but will will provide the ropical Farms W	applicable Department r  I have prior to placing the necessary treatment and vastewater Treatment Fac  City	wastewate e proposed project i d disposal as require	roject and wi er facility nto operation
Current outstanding flow commitments (including this project) against treatment plant capacity:  O.145 MGD  Signed Name Leo Repetti, P.E. Title Project Engineer  Address 3473 S.E. Willoughby Blvd. Ste 102	herel prove	undersigned owner or authorized careful the necessary treatment and sundersigned owner or authorized careful to accept the sundersigned capacity to accept F.S., and applicable Department Treatment Plant Serving Projement number FL 00433	renced facility has and will have a disposal as required by Chapter and representative* of the renced facility currently does not the flow from this project and not rules.  The flow from this project and the flow from this project and the flow from this project and the flow from the flow flow flow flow flow flow flow flow	ot have, but will will provide the ropical Farms W	applicable Department r  I have prior to placing the necessary treatment an  Vastewater Treatment Fac  City  xpirationDate	wastewate e proposed project i d disposal as requiri ility  Stuart  10/28/2022	roject and wi
Signed Date Name Leo Repetti, P.E. Title Project Engineer Address 3473 S.E. Willoughby Blvd. Ste 102	herel provide The herel adeq 403, Name of County DEP per Maximu	undersigned owner or authorized control of the necessary treatment and control of the necessary treatment of the necessary treatment of the necessary treatment and control of the necessary treatment of the necessary treatment of the necessary treatment and control of the necessary treatment	renced facility has and will have a disposal as required by Chapter and representative* of the renced facility currently does not the flow from this project and not rules.  The renced facility currently does not the flow from this project and not rules.  Martin County To 214  Over the last 12 month period	ot have, but will will provide the ropical Farms W	applicable Department r  I have prior to placing the necessary treatment and vastewater Treatment Factory  City  xpirationDate  .591MGD	wastewate e proposed project i d disposal as require  ility  Stuart  10/28/2022  Month(s) used	er facility nto operation ed by Chapte
Name Leo Repetti, P.E. Title Project Engineer  Address 3473 S.E. Willoughby Blvd. Ste 102	herel provide the herel adeq 403, Name of County DEP per Maximu Maximu	undersigned owner or authorized control of the necessary treatment and control of the necessary treatment authorized to accept the necessary to accept the necessary to accept the necessary treatment of the necessary treatment of the above reference to accept the necessary treatment of the necessary treatment accept to accept the necessary treatment of the necessary treatment accept to accept the necessary treatment and control of the necessary	renced facility has and will have a disposal as required by Chapter and representative* of the renced facility currently does not the flow from this project and not rules.  The renced facility currently does not the flow from this project and not rules.  Martin County To 214  Over the last 12 month period	ot have, but will will provide the ropical Farms W	I have prior to placing the necessary treatment rand/astewater Treatment Factority  ExpirationDate  .591MGD  3.405	wastewate e proposed project i d disposal as require  ility  Stuart  10/28/2022  Month(s) used  Month(s) used	er facility nto operation ed by Chapte  02/20  03/20
Name Leo Repetti, P.E. Title Project Engineer  Address 3473 S.E. Willoughby Blvd. Ste 102	herel provide the	undersigned owner or authorized control of the necessary treatment and control of the necessary treatment authorized to accept the necessary to accept the necessary to accept the necessary to accept the necessary treatment of the necessary treatment of the necessary treatment accept to accept the necessary treatment and control of the necessary treatment and co	renced facility has and will had disposal as required by Chapter and representative* of the renced facility currently does not the flow from this project and not rules.  The renced facility currently does not the flow from this project and not rules.  Martin County To a country	ot have, but will will provide the ropical Farms W  Graph of MGD  MGD	I have prior to placing the necessary treatment and astewater Treatment Factory ExpirationDate 1.591MGD 1.3.405 1.5.900 MGD 1.5.40F	wastewate e proposed project i d disposal as require  Stuart  10/28/2022  Month(s) used Month(s) used	er facility nto operation ed by Chapte
Name Leo Repetti, P.E. Title Project Engineer  Address 3473 S.E. Willoughby Blvd. Ste 102	herel provide the	undersigned owner or authorized control of the necessary treatment and control of the necessary treatment authorized to accept the necessary to accept the necessary to accept the necessary to accept the necessary treatment of the necessary treatment of the necessary treatment accept to accept the necessary treatment and control of the necessary treatment and co	renced facility has and will had disposal as required by Chapter and representative* of the renced facility currently does not the flow from this project and not rules.  The renced facility currently does not the flow from this project and not rules.  Martin County To a country	ot have, but will will provide the ropical Farms W  Graph of MGD  MGD	I have prior to placing the necessary treatment and astewater Treatment Factory ExpirationDate 1.591MGD 1.3.405 1.5.900 MGD 1.5.40F	wastewate e proposed project i d disposal as require  Stuart  10/28/2022  Month(s) used Month(s) used	er facility nto operation ed by Chapte
Name Leo Repetti, P.E. Title Project Engineer  Address 3473 S.E. Willoughby Blvd. Ste 102	herel provide the	undersigned owner or authorized control of the necessary treatment and control of the necessary treatment authorized to accept the necessary to accept the necessary to accept the necessary to accept the necessary treatment of the necessary treatment of the necessary treatment accept to accept the necessary treatment and control of the necessary treatment and co	renced facility has and will had disposal as required by Chapter and representative* of the renced facility currently does not the flow from this project and not rules.  The renced facility currently does not the flow from this project and not rules.  Martin County To a country	ot have, but will will provide the ropical Farms W  Graph of MGD  MGD	I have prior to placing the necessary treatment and astewater Treatment Factory ExpirationDate 1.591MGD 1.3.405 1.5.900 MGD 1.5.40F	wastewate e proposed project i d disposal as require  Stuart  10/28/2022  Month(s) used Month(s) used	er facility nto operation ed by Chapte  02/20  03/20
Address 3473 S.E. Willoughby Blvd. Ste 102	herel provide the herel adeq 403, Name of County DEP per Maximu Maximu Current Current	undersigned owner or authorized control of the necessary treatment and control of the necessary treatment authorized to accept the necessary to accept the necessary to accept the necessary to accept the necessary treatment of the necessary treatment of the necessary treatment accept to accept the necessary treatment and control of the necessary treatment and co	renced facility has and will had disposal as required by Chapter and representative* of the renced facility currently does not the flow from this project and not rules.  The renced facility currently does not the flow from this project and not rules.  Martin County To a country	ot have, but will will provide the ropical Farms William MGD MGD treatment plant	I have prior to placing the necessary treatment and astewater Treatment Factory ExpirationDate 1.591MGD 1.3.405 1.5.900 MGD 1.5.40F	wastewate e proposed project i d disposal as require  Stuart  10/28/2022  Month(s) used Month(s) used	er facility nto operation ed by Chapte
~ TT = 24004	herel provide the	undersigned owner or authorized certifies that the above reference of the necessary treatment and continuous properties that the above reference reserve capacity to accept F.S., and applicable Department Plant Serving Projement number FL 00432 mm monthly average daily flow mm three-month average daily flow outstanding flow commitments	renced facility has and will had disposal as required by Chapter and representative* of the renced facility currently does not the flow from this project and not rules.  The renced facility currently does not the flow from this project and not rules.  Martin County To a country	ot have, but will will provide the ropical Farms Word MGD  MGD  t treatment plant	I have prior to placing the necessary treatment randastewater Treatment Factorial City ExpirationDate  S91MGD  3.405  5.900 MGD AADF  capacity:  0.14	wastewate e proposed project i d disposal as require  Stuart  10/28/2022  Month(s) used Month(s) used	er facility nto operation ed by Chapte  02/20  03/20
, 1	herel provide the herel adeq 403, Name of County DEP per Maximu Maximu Current Signed Name	undersigned owner or authorized control of the necessary treatment and control of the necessary treatment and control of the necessary	renced facility has and will had disposal as required by Chapter and representative* of the renced facility currently does not the flow from this project and not rules.  Martin County To 214  over the last 12 month period low over the last 12 month period (including this project) against a given by the facility of the project of the p	ot have, but will will provide the ropical Farms Word MGD  MGD  t treatment plant	I have prior to placing the necessary treatment randastewater Treatment Factorial City ExpirationDate  S91MGD  3.405  5.900 MGD AADF  capacity:  0.14	wastewate e proposed project i d disposal as require  Stuart  10/28/2022  Month(s) used Month(s) used	er facility nto operation ed by Chapte  02/20  03/20

<sup>\*</sup> Attach a letter of authorization.

<sup>\*\*</sup> 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 Date
Name Company Name Address		Florida Registration No.	
City Telephone Portion of Project for Which Respon	Faxsible	State Email	Zip
			(Affix Seal) Signed Date
Name Company Name		Florida Registration No.	
Address City Telephone Portion of Project for Which Respon	Faxsible	State Email	Zip
			(Affix Seal) Signed Date
Name Company Name		Florida Registration No.	
Address City Telephone	Fax	State Email	Zip
Portion of Project for Which Respon	sible		