



PORT ST. LUCIE  
UTILITY SYSTEMS DEPARTMENT  
[utility.cityofPSL.com](http://utility.cityofPSL.com)



Kevin R. Matyjaszek, Director

## Notification/Application for Constructing a Domestic Wastewater Collection/Transmission System

### Part I. Instructions

This form must be completed and submitted via email to [UtilEng@cityofPSL.com](mailto:UtilEng@cityofPSL.com) at least 30 days prior to initiating construction. All blanks must be filled. Failure to submit a complete application or required documents will result in the application being returned to the applicant.

Criteria for a general permit for a domestic wastewater collection/transmission system are contained in Rule 62-604.600(6), FAC. Projects with mains larger than 12 inches in diameter or not meeting the criteria in Rule 62-604.600(6), FAC, must apply to FDEP for a permit. 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.

An executed Utility Service Agreement must be on file with PSLUSD and all fees paid.

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 (5) of Part II of this application form, if an item is not applicable to your project, indicate "NA" in the appropriate space provided.

Attach a single-sheet overall color PDF 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. Show water mains in blue, fire hydrants in red, sewer mains in green and force mains in brown.

### Part II. General Project Information

1. General Project Information

A. Name of Project \_\_\_\_\_  
PSLUSD Project # \_\_\_\_\_

B. Description of Project Location \_\_\_\_\_  
\_\_\_\_\_

C. Estimate of Cost to Construct Project \_\_\_\_\_

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Project information and Purpose (including the total length and material of each diameter of proposed gravity sewers and force mains, total number of manholes, and total number of pump stations.)

Wastewater Treatment Facility	Glades WWTP	Westport WWTP

Estimated date for: Start of Construction \_\_\_\_\_ Completion of Construction \_\_\_\_\_  
 Number of connections to existing system or treatment plant \_\_\_\_\_

2. Collection/Transmission System Permittee

Name	Title	
Company Name		
Address		
City	State	Zip
Tel	Cell	
Email		

3. Project Capacity

Type of Unit	Number of Units	Population Per Unit	Total Population (Number of Units x Population Per Unit)	Per Capita Flow in Gallons Per Day (GPD)	Total Average Daily Flow in GPD (Total Population x Per Capita Flow)	Peak Hour Flow in Gallons Per Minute (GPM)
Single-Family Home	_____	_____	_____	_____	_____	_____
Mobile Home	_____	_____	_____	_____	_____	_____
Apartment	_____	_____	_____	_____	_____	_____
Commercial, Institutional, or Industrial Facility*	_____	_____	_____	_____	_____	_____
Total	N/A	N/A		N/A		

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\* Description of commercial, institutional, and industrial facilities and explanation of method used to estimate per capita flow for these facilities:


Design Flow: \_\_\_\_\_ gpd

Number of ERCs: \_\_\_\_\_

4. Pretreatment

Type of Interceptor \_\_\_\_\_ Size \_\_\_\_\_ gpd  
(grease, oil, sand, laundry, etc.)

Type of Interceptor \_\_\_\_\_ Size \_\_\_\_\_ gpd  
(grease, oil, sand, laundry, etc.)

5. Pump Station Data (attach additional sheets as necessary)

Location	Type	Maximum Estimated Flow to the Station (GPD)	Average Estimated Flow to the Station (GPD)	Minimum Estimated Flow to the Station (GPD)	Operating Conditions (GPM @ FT (TDH))
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

6. 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. The checklist below shall be used for conventional collection/transmission systems. Low Pressure Sewer Systems, Septic Tank Effluent Pump (STEP) systems and Vacuum Sewer Systems require a different application package. This checklist covers important items but is not necessarily completely comprehensive of collection system construction and does not relieve the engineer from designing the collection system following sound engineering practices.

Complete the tables below:

- The engineer shall initial each requirement if the project has been designed to comply with the standard or criteria.
- Mark “NA” if the requirement does not apply to this project and provide an explanation in section (6)B.

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- Mark “NC” if the project has not been designed to comply with the requirement and provide an explanation in section (6)B, including any rule references.

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), FAC, an application for an individual permit shall be submitted through FDEP. However, if Rules 62-604.400(1) a (2), FAC, 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. Also note that each requirement below includes a reference to guidance or rule for further information. The guidance documents given in the checklists are as follows:

- “RSWF” – Recommended Standards for Wastewater Facilities (2014). Health Research, Inc., Health Education Services Division, P.O. Box 7126, Albany, NY 12224, [www.healthresearch.org](http://www.healthresearch.org).
- “MOPFD-12” – Alternative Sewer Systems, Manual of Practice No. FD12. Alternative Sewer Systems (1986). Water Environment Federation, 602 Wythe Street, Alexandria, VA 22314, [www.wef.org](http://www.wef.org).
- “FL DSG” – Design and Specification Guidelines for Low Pressure Sewer Systems (1981). Department of Environmental Protection, 2600 Blair Stone Road, MS 3540, Tallahassee, FL 32399-2400, [www.floridadep.gov](http://www.floridadep.gov).
- “EPA ACS” – Alternative Wastewater Collection Systems (1991). EPA/625/1-91/024. NTIS# PB93-1162591N2; National Technical Information Service, 5285 Port Royal Road, Springfield, VA 22161, [www.ntis.gov](http://www.ntis.gov).

General Requirements

Initials (or “NA” Or “NC”)	Item Number	Requirement
_____	1	The project is designed based on an average daily flow of 100 gallons per capita plus wastewater flow from industrial plans 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 if work is performed on a system currently in operation. [RSWF 20.15]
_____	3	The project is designed to be located on public rights-of-way, land owned by the permittee, or easements and be located no closer than 100 feet from a public drinking water supply well or no closer than 75 feet from a private drinking water supply well; or documentation is provided in Part II.(6)B., showing that another alternative will result in an equivalent level of reliability and public health protection. [62-604.400(1)(b) and (c), FAC.
_____	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]
_____	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), FAC, and sources of uncontaminated wastewater, except to augment the supply of reclaimed water in accordance with Rule 62.610.472(3)(c), FAC. [62-604.400(1)(d), FAC]
_____	6	The project is designed so that all new or relocated, buried sewers and force mains, are located in accordance with the separation requirements for water mains and reclaimed water lines of Rules 62-604.400(2)(g) and (h), FAC. Note, if the criteria of Rules 62-604.400(2)(g)4. or (2)(h)3.,FAC, are used, describe in Part II.(6)B. alternative construction features that will be provided to afford a similar level of reliability and public health protection. [62-604.400(2)(g) and (h), and (i) and (3), FAC]

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Gravity Sewers

Initials (or "NA" Or "NC")	Item Number	Requirement
_____	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. [RSWF 33.44]
_____	11	Where velocities greater than 10 feet per second 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 are designed with straight alignment between 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 flexible pipe including PVC. 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 100 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.(6)B. 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 feet per second 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]















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B. Explanation for Requirements or Standards Marked “NA” or “NC” in II(6)A above.

C. Alternative Construction Features (Attach additional sheets if necessary):

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**Part III. Certifications**

1) Certification by Collection/Transmission System Permittee

I, the undersigned owner or authorized representative\* of \_\_\_\_\_ 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 a design engineer or another professional engineer registered in Florida, to conduct on-site observations 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), FAC, and to retain a professional engineer registered in Florida to examine (or to prepare if desired) the manual. I am fully aware that City approval must be obtained before this project is placed into service for any purpose other than testing for leaks and testing equipment operation.

Signed \_\_\_\_\_ Date \_\_\_\_\_  
 Name \_\_\_\_\_ Title \_\_\_\_\_

\* Attach a letter of authorization.

2) Statement by Owner of Collection/Transmission System

The City of Port St Lucie certifies that it will be the Owner of this project after it is placed into service. The City agrees that it will operate and maintain this project in a manner that will comply the applicable FDEP rules. The City agrees that it will promptly notify FDEP if it sells or legally transfers ownership of this project.

Name	Kevin R. Matyjaszek	Title	Director		
Company Name	City of Port St Lucie				
Address	1001 SE Prineville St				
City	Port St Lucie	State	FL	Zip	34983
Telephone	772-873-6400				
Email	<a href="mailto:kmatyjaszek@cityofPSL.com">kmatyjaszek@cityofPSL.com</a>				

3) Statement by Wastewater Facility Serving Collection/Transmission System

The City of Port St Lucie, owner of Glades WWTP / Westport WWTP 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, FAC; is not under an FDEP 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, FS, and applicable FDEP rules.

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Name of Treatment Plant Serving Project	Glades WWTP	Westport WWTP
FDEP Facility ID	FLA326321	FLA139653
County	St Lucie County	City
		City of Port St Lucie
Maximum monthly average daily flow over the last 12 month period	MGD	Month(s) used
Maximum three-month average daily flow over the last 12 month period	MGD	Month(s) used
Current permitted capacity	MGD	AADF
		MADF
		TMADF
Current outstanding flow commitments (including this project) against treatment plant capacity		MGD

Name	Kevin R. Matyjaszek	Title	Director		
Company Name	City of Port St Lucie				
Address	1001 SE Prineville St				
City	Port St Lucie	State	FL	Zip	34983
Telephone	772-873-6400				
Email	<a href="mailto:kmatyjaszek@cityofPSL.com">kmatyjaszek@cityofPSL.com</a>				

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 the 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, FAC.

(affix seal)

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

Name \_\_\_\_\_ FL Registration No. \_\_\_\_\_  
Company Name \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
Telephone \_\_\_\_\_ Cell \_\_\_\_\_ Fax \_\_\_\_\_  
Email \_\_\_\_\_  
Portion of the project for which responsible: \_\_\_\_\_