



PORT ST. LUCIE
UTILITY SYSTEMS DEPARTMENT
utility.cityofpsl.com



Kevin R. Matyjaszek, Director

Notice of Intent to Use the General Permit for Construction of Water Main Extensions for Public Water Systems

Part I. Instructions

This notice shall be completed and submitted by persons proposing to construct projects permitted under the “General Permit for Construction of Water Main Extensions for Public Water Systems” in Rule 62-555.405, FAC AT LEAST 30 DAYS BEFORE BEGINNING CONSTRUCTION OF A WATER MAIN EXTENSION PROJECT. Make all submissions via email to UtilEng@cityofPSL.com. Part III of this notice services as the preliminary design report for a water main extension project, and thus, it is unnecessary to submit a separate preliminary design report or drawings, specification, and design data with this notice. All information provided in this notice shall be typed or printed in ink. NOTE THAT A SEPARATE NOTIFICATION AND A SEPARATE PERMIT PROCESSING FEE ARE REQUIRED FOR EACH NON-CONTIGUOUS PROJECT.*

* *Non-contiguous projects are projects that are neither interconnected nor located nearby one another (i.e., on the same site, on adjacent streets, or in the same neighborhood.)*

Projects with water mains up to and including 12 inches in nominal diameter can use this form. Projects with water mains larger than 12 inches must submit to FDEP.

Submit this form along with a single-page color PDF site plan or sketch showing the size and approximate location of new or altered water mains, showing the approximate location of hydrants, valves, meters, and blow-offs, and showing how said mains connect to the PSLUSD water system. The site plan will also be used as the base or sketch to be submitted with the request to place the newly constructed water distribution system into service. Show water mains in blue, fire hydrants in red, sewer mains in green and force mains in brown.

Part II. General Project Information

- A. Name of Project _____
PSLUSD Project # _____
- B. Description of Project and Its Purpose (include the total length and material of each diameter pressure pipe and the number of hydrants)

- C. Location of Project
a. County Where Project Located _____
b. Description of Project Location _____
- D. Estimate of Cost to Construct Project _____
- E. Estimate of Dates for Starting and Completing Construction of Project

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Project Name _____	Permittee _____
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F. Permittee

Company Name _____		
Contact Person _____	Contact Person Title _____	
Contact Person's Mailing Address _____		
City _____	State _____	Zip Code _____
Contact Person's Telephone _____		
Contact Person's Email Address _____		

G. Public Water System (PWS) Supplying Water to Project

PWS Name Utility Systems Department – City of Port St Lucie	PWS ID NO 4560954-01, 02, 03
PWS Type Community <input checked="" type="checkbox"/> Non-Transient Non-Community ___ Transient Non-Community ___ Consecutive ___	
PWS Owner City of Port St Lucie	
Contact Person Kevin R. Matyjaszek	Contact Person Title Director
Contact Person's Mailing Address 1001 SE Prineville St	
City Port St Lucie	State FL
Zip Code 34983	
Contact Person's Telephone 772-873-6400	
Contact Person's Email Address kmatyjaszek@cityofpsl.com	

H. Public Water System That Will Own Project After It Is Placed into Permanent Operation

PWS Name Utility Systems Department – City of Port St Lucie	PWS ID NO 4560954-01, 02, 03
PWS Type Community <input checked="" type="checkbox"/> Non-Transient Non-Community ___ Transient Non-Community ___ Consecutive ___	
PWS Owner City of Port St Lucie	
Contact Person Kevin R. Matyjaszek	Contact Person Title Director
Contact Person's Mailing Address 1001 SE Prineville St	
City Port St Lucie	State FL
Zip Code 34983	
Contact Person's Telephone 772-873-6400	
Contact Person's Email Address kmatyjaszek@cityofpsl.com	

I. Professional Engineer(s)

Company Name _____		
Designer(s) _____	Title(s) _____	
Qualifications of Designer(s) Professional Engineer(s) Licensed in Florida – License No(s) _____		
Mailing Address of Designer(s) _____		
City _____	State _____	Zip Code _____
Telephone No of Designer(s) _____		
Email Address of Designer(s) _____		

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Part III. Preliminary Design Report For Project

A. Service Area, Water Use, and Service Pressure Information

1. Design type and number of service connections, and average daily water demands and maximum-day water demands, in the entire area to be served by the water mains being constructed under this project.

A = Type of Service Connection	B = Number of Service Connections	C = Average Daily Water Demand Per Service Connection gpd	D = Average Daily Water Demand ^a gpd (columns BxC for Residential Service Connections)	E = Total Maximum-Day Water Demand ^b gpd
Single-Family Home				
Mobile Home				
Apartment				
Commercial, Institutional, or Industrial Facility ^a				
Total				

- a. Description of commercial, institutional, or industrial facilities and explanation of method(s) used to estimate average daily water for these facilities

- b. Explanation of peaking factor(s) or method(s) used to estimate design maximum-day water demand _____

2. Explanation of peaking factor(s) or method(s) used to estimate design peak-hour water demand and, for small water systems that use hydropneumatics tanks or that are not designed to provide fire protection, peak instantaneous water demand _____
3. Design fire-flow rate and duration _____
4. Design Service Pressure Range _____

B. Project Site Information

1. Attach a single-page color PDF site plan as described on page 1.
2. Description of any areas where new or altered water mains will cross above or under surface water or be located in soil that is known to be aggressive _____

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C. General Requirements

1. 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.
2. If this project is being designed to comply with the following requirements, initial in ink before the requirements. If any of the following requirements do not apply to this project or if this project includes exceptions to any of the following requirements as allowed by rule, mark “X” before the requirements and complete Part III.C.3 below. *RSWW = Recommended Standards for Water Works* as incorporated into Rule 62-555.330, FAC
 - a. _____ This project is being designed to keep existing water mains and service lines in operation during construction or to minimize interruption of water service during construction. [*RSWW 1.3.a: exceptions allowed under FAC 62-555.330*]
 - b. _____ All pipe, pipe fittings, pipe joint packing and jointing materials, valves, fire hydrants, and meters installed under this permit will conform to the applicable American Water Works Association (AWWA) standards. [*FAC 62.555.320(21)(b), RSWW 8.0, and AWWA standards as incorporated into FAC 62-555.330, exceptions allowed under FAC 62-555.320(21)(c)*]
 - c. _____ All public water system components, excluding fire hydrants, that will be installed under this project and that will come into contact with drinking water will conform to NSF International Standard 61 as adopted in Rule 62-555.335, FAC, or other applicable standards, regulations, or requirements referenced in paragraph 62-555.320(3)(b), FAC. [*FAC 62-555.320(3)(b); exceptions allowed under FAC 62-555.320(3)(d)*]
 - d. _____ All pipe and pipe fittings installed under this project will contain no more than 8.0% lead, and any solder or flux used in this project will contain no more than 0.2% lead [*FAC 62-555.322*]
 - e. _____ All pipe and pipe fittings installed under this project will be color coded or marked in accordance with subparagraph 62-555.320(21)(b)3, FAC, using blue as a predominant color. (Underground plastic pipe will be solid-wall blue pipe, will have a co-extruded blue external skin, or will be white or black pipe with blue stripes incorporated into, or applied to, the pipe wall; and underground metal or concrete pipe will have blue stripes applied to the pipe wall. Pipe striped during manufacturing of the pipe will have continuous stripes that run parallel to the axis of the pipe, that are located at no greater than 90-degree intervals around the pipe, and that will remain intact during and after installation of the pipe. If tape or paint is used to stripe pipe during installation of the pipe, the tape or paint will be applied in a continuous line that runs parallel to the axis of the pipe and that is located along the top of the pipe; for pipe with an internal diameter of twenty four inches or greater, tape or paint will be applied in continuous lines along each side of the pipe as well as along the top of the pipe. Aboveground pipe will be painted blue or will be color coded or marked like underground pipe.) [*FAC 62-555.320(21)(b)3*]
 - f. _____ All new or altered water mains included in this project are sized after a hydraulic analysis based on flow demands and pressure requirements. ATTACH A HYDRAULIC ANALYSIS JUSTIFYING THE SIZE OF ANY NEW OR ALTERED WATER MAINS WITH AN INSIDE DIAMETER OF LESS THAN THREE INCHES. [*FAC 62-555.320(21)(b) and RSWW 8.1*]
 - g. _____ The inside diameter of new or altered water mains that are included in this project and that are being designed to provide fire protection and serve fire hydrants will be at least six inches. [*FAC 62-555.320(21)(b) and RSWW 8.1.2*]
 - h. _____ New or altered water mains that are included in this project and that are not being designed to carry fire flows do not have fire hydrants connected to them. [*FAC 62-555.320(21)(b) and RSWW 8.1.5*]

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- i. _____ This project is being designed to minimize dead-end mains by making appropriate tie-ins where practical. [FAC 62-555.320(21)(b) and RSWW 8.1.6.a]
- j. _____ New or altered dead-end water mains included in this project will be provided with a fire or flushing hydrant or blow-off for flushing purposes. [FAC 62-555.320(21)(b) and RSWW 8.1.6.b]
- k. _____ Sufficient valves will be provided on new or altered water mains in this project so that inconvenience and sanitary hazards will be minimized during repairs. [FAC 62-555.320(21)(b) and RSWW 8.2]
- l. _____ New or altered fire hydrant leads included in this project will have an inside diameter of at least six inches and will include an auxiliary valve. [FAC 62-555.320(21)(b) and RSWW 8.3.3]
- m. _____ All fire hydrants that will be installed under this project and that will have unplugged, underground drains will be located at least three feet from any existing or proposed storm sewer, stormwater force main, pipeline conveying reclaimed water regulated under Part III of Chapter 62-610, FAC, or vacuum-type sanitary sewer; at least six feet from any existing or proposed gravity- or pressure-type sanitary sewer, wastewater force main, or pipeline conveying reclaimed water not regulated under Part III of Chapter 62-610, FAC; and at least ten feet from any existing or proposed “on-site sewage treatment and disposal system.” [FAC 62-555.314(4)]
- n. _____ At high points where air can accumulate in new or altered water mains included in project, provisions will be made to remove the air by means of air relief valves, and automatic air relief valves will not be used in situations where flooding of the valve manhole may occur. [FAC 62-555.320(21)(b) and RSWW 8.4.1]
- o. _____ The open end of the air relief pipe from all automatic air relief valves installed under this project will be extended at least one foot above grade and will be provided with a screened, downward-facing elbow. [FAC 62-555.320(21)(b) and RSWW 8.4.2]
- p. _____ New or altered chambers, pit, or manholes that contain valves, blow-offs, meters, or other such water distribution appurtenances and that are included in this project will not be connected directly to any sanitary or storm sewer, and blow-offs or air relief valves installed under this project will not be connected directly to any sanitary or storm sewer. [FAC 62-555.320(21)(b) and RSWW 8.4.3]
- q. _____ New or altered water mains included in this project will be installed in accordance with applicable AWWA standards or in accordance with manufacturers’ recommended procedures. [FAC 62-555.320(21)(b) ,RSWW 8.5.1, and AWWA standards as incorporated into FAC 62-555.330]]
- r. _____ A continuous and uniform bedding will be provided in trenches for underground pipe installed under this project; backfill material will be tamped in layers around the underground pipe installed under this project and to a sufficient height above the pipe to adequately support and protect the pipe; and unsuitably sized stones (as described in applicable AWWA standards or manufacturers’ recommended installation procedures) found in trenches will be removed for a depth of at least six inches below the bottom of underground pipe installed under this project. [FAC 62-555.320(21)(b) ,RSWW 8.5.2]
- s. _____ All water main tees, bends, plugs, and hydrants installed under this project will be provided with thrust blocks or restrained joints to prevent movement. [FAC 62-555.320(21)(b) and RSWW 8.5.4]
- t. _____ New or altered water mains that are included in this project and that will be constructed of asbestos-cement or polyvinyl chloride pipe will be pressure and leakage tested in accordance with AWWA Standard C603 or C605, respectively, as incorporated

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into Rule 62-555.330, FAC, and all other new or altered water mains included in this project will be pressure and leakage tested in accordance with AWWA Standard C600 as incorporated into Rule 62-555.330. [FAC 62-555.320(21)(b)1 and AWWA standards as incorporated into FAC 62-555.330]

- u. _____ New or altered water mains, including fire hydrant leads and including service lines that will be under the control of a public water system and that have an inside diameter of three inches or greater, will be disinfected and bacteriologically evaluated in accordance with Rule 62-555.340, FAC. [FAC 62-555.320(21)(b)2 and FAC 62-555.340]
- v. _____ New or altered water mains that are included in this project and that will be installed in areas where there are known aggressive soil conditions will be protected through the use of corrosion-resistant water main materials, through encasement of the water mains in polyethylene, or through provision of cathodic protection. [FAC 62-555.320(21)(b) and RSWW 8.5.7d]
- w. _____ New or relocated underground water mains included in this project will be laid to provide a horizontal distance of at least three feet between the outside of the water main and the outside of any existing or proposed vacuum-type sanitary sewer, storm sewer, stormwater force main, or pipeline conveying reclaimed water regulated under Part III of Chapter 62.610, FAC; a horizontal distance of at least six feet between the outside of the water main and the outside of any existing or proposed gravity-type sanitary sewer (or a horizontal distance of at least three feet between the outside of the water main and the outside of any existing or proposed gravity-type sanitary sewer if the bottom of the water main will be laid at least six inches above the top of the sewer); a horizontal distance of at least six feet between the outside of the water main and the outside of any existing or proposed pressure-type sanitary sewer, wastewater force main, or pipeline conveying reclaimed water not regulated under Part III of Chapter 62-610, FAC; and a horizontal distance of at least ten feet between the outside of the water main and all parts of any existing or proposed “on-site sewage treatment and disposal system.” [FAC 62-555.314(1); exception allowed under FAC 62-555.314(5)]
- x. _____ New or relocated underground water mains that are included in this project that will cross any existing or proposed gravity- or vacuum-type sanitary sewer or storm sewer will be laid so the outside of the water main is at least six inches above the other pipeline or at least twelve inches below the other pipeline; and new or relocated underground water mains that are included in this project and that will cross any existing or proposed pressure-type sanitary sewer, wastewater or stormwater force main, or pipeline conveying reclaimed water will be laid so the outside of the water main is at least twelve inches above or below the other pipeline. [FAC 62-555.314(2); exception allowed under FAC 62-555.314(5)]
- y. _____ At the utility crossings described in Part II.C.2.w above, one full length of water main pipe will be centered above or below the other pipeline so the water main joints will be as far as possible from the other pipeline or the pipes will be arranged so that all water main joints are at least three feet from all joints in vacuum-type sanitary sewers, storm sewers, stormwater force mains, or pipelines conveying reclaimed water regulated under Part III of Chapter 62-610, FAC, and at least six feet from all joints in gravity- or pressure-type sanitary sewers, wastewater force mains, or pipelines conveying reclaimed water not regulated under Part III of Chapter 62-610, FAC. [FAC 62-555.314(2); exception allowed under FAC 62-555.314(5)]
- z. _____ New or altered water mains that are included in this project and that will cross above surface water will be adequately supported and anchored, protected from damage and

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freezing, and accessible for repair or replacement. [FAC 62-555.320(21)(b) and RSWW 8.7.1]

- aa. _____ New or altered water mains that are included in this project and that will cross under surface water will have a minimum cover of two feet. [FAC 62-555.320(21)(b) and RSWW 8.7.2]
- bb. _____ New or altered water mains that are included in this project and that will cross under surface water courses greater than fifteen feet in width will have flexible or restrained, watertight pipe joints and will include valves at both ends of the water crossing so the water crossing the water main can be isolated for testing and repair; the aforementioned isolation valves will be easily accessible and will not be subject to flooding; the isolation valve closest to the water supply will be in a manhole; and permanent taps will be provided on each side of the isolation valve within the manhole to allow for insertion of a small meter to determine leakage from the underwater main and to allow for sampling of water from the underwater main. [FAC 62-555.320(21)(b) and RSWW 8.7.2]
- cc. _____ This project is being designed to include proper backflow protection at those new or altered service connections where backflow protection is required or recommended under Rule 62-555.360, FAC, or in Recommended Practice for Backflow Prevention and Cross-Connection Control, AWWA Manual M14, as incorporated into Rule 62-555.330,FAC; or the public water system that will own this project after it is placed into operation has a cross-connection control program requiring water customers to install proper backflow protection at those service connections where backflow protection is required or recommended under Rule 62-555.360, FAC, or in AWWA Manual M14. [fac 62-555.360 and AWWA Manual M14 as incorporated into FAC 62-555.330]
- dd. _____ Neither steam condensate, cooling water from engine jackets, nor water used in conjunction with heat exchangers will be returned to the new or altered water mains included in this project. [FAC 62-555.320(21)(b) and RSWW 8.8.2]

- 3. Explanation for requirements marked "X" in Part III.C.2 above. Including justification, documentation, assurances, and/or alternatives as required by Rule for Exceptions to Requirements in Part III.C.2.

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I have completed Part III of this notice, and the information provided in Part III and on the attachment(s) to Part III is true and accurate to be best of my knowledge and belief.

Signature, Seal and Date of Professional Engineer (PE) *
_____ _____
Name of Engineer _____
PE License Number _____
Portion of Preliminary Design Report for Which Responsible
_____ _____ _____

Signature, Seal and Date of Professional Engineer (PE) *
_____ _____
Name of Engineer _____
PE License Number _____
Portion of Preliminary Design Report for Which Responsible
_____ _____ _____

* Except as noted in paragraphs 62-555.520(3)(a) and (b), FAC, projects shall be designed under the responsible charge of one or more PEs licensed in Florida. If this project is being designed under the responsible charge of one or more PEs licensed in Florida, Part III of this notice shall be completed, signed, sealed, and dated by the PE(s) in responsible charge.

Project Name _____	Permittee _____
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Part IV. Certifications

A. Certification by Permittee

I am duly authorized to sign this notice on behalf of the permittee identified in Part I.F of this notice. I certify that, to the best of my knowledge and belief, this project complies with Chapter 62-555, FAC. I also certify that construction of this project has not begun yet and that, to the best of my knowledge and belief, this project does not include any of the following construction work:

- construction of water mains conveying raw or partially treated drinking water;
- construction of drinking water treatment, pumping, or storage facilities or conflict manholes;
- construction of water mains in areas contaminated by low-molecular-weight petroleum products or organic solvents;
- construction of an interconnection between previously separate public water systems or construction of water mains that create “new system” as described under subsection 62-555.525(1), FAC; or
- construction of water mains that will remain dry following completion of construction.

(A specific construction permit is required for each project involving any of the above listed construction work.)

I understand that, if this project is designed under the responsible charge of one or more professional engineers (PEs) licensed in Florida, the permittee must retain a Florida-licensed PE to take responsible charge of inspecting construction of this project for the purpose of determining in general if the construction proceeds in compliance with the City of Port St Lucie construction permit, including the approved preliminary design report, for this project. I understand that the permittee must have complete record drawings prepared for this project. I also understand that the permittee must submit a certification of construction completion to the City and obtain written approval, or clearance, from the City before the project is placed into operation for any purpose other than disinfecting or testing for leaks.

Signature and Date	Name	Title
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B. Statement by PSLUSD Supplying Water to Project

The City of Port St Lucie certifies that the PWS identified in Part II.G of this notice will supply the water necessary to the design water demands for this project. As indicated below, the water treatment plant(s) to which this project will be connected has (have) the capacity necessary to meet the design water demands for this project, and the City certifies that all other PWS components affected by this project also have the capacity to meet the design water demands for this project. The City certifies that said PWS is in compliance with applicable planning requirements in Rule 62-555.348, FAC; applicable cross-connection control requirements in Rule 62-555.360, FAC; and to the best of its knowledge and belief, all other applicable rules in Chapters 62-550, 62-555, and 62-699, FAC; furthermore, the City certifies that, to the best of its knowledge and belief, said PWS’s connection to this project will not cause PWS to be in noncompliance with Chapter 62-550 or 62-555, FAC. The City also certifies that said PWS has reviewed the preliminary design report for this project and that said PWS considers the connection(s) between this project and said PWS acceptable as designed.

- Names of Water Treatment Plants to Which this Project Will Be Connected:
Prineville/JEA Water Treatment Plants
- Total Permitted Maximum Day Operating Capacity of Plants **41,650,000 gpd**
- Total Maximum Day Flow at Plants as Recorded on Monthly Operating Reports During Past 12 Months, gpd _____

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C. Statement by PSLUSD That Will Own Project After It Is Placed into Permanent Operation

The City of Port St Lucie certifies that the PWS identified in Part II.H of this notice will own this project after it is placed into permanent operation. The City also certifies that said PWS has reviewed the preliminary design report for this project and that said PWS considers the project acceptable as designed.

D. Certification by Professional Engineer(s) in Responsible Charge of Designing Project *

I, the undersigned professional engineer licensed in Florida, am in responsible charge of designing this project. I certify that, to the best of my knowledge and belief, the design of this project complies with Chapter 62-555, FAC. I also certify that, to the best of my knowledge and belief, this project is not designed to include any of the following construction work:

- construction of water mains conveying raw or partially treated drinking water;
- construction of drinking water treatment, pumping, or storage facilities or conflict manholes;
- construction of water mains in areas contaminated by low-molecular-weight petroleum products or organic solvents;
- construction of an interconnection between previously separate public water systems or construction of water mains that create “new system” as described under subsection 62-555.525(1), FAC; or
- construction of water mains that will remain dry following completion of construction.

(A specific construction permit is required for each project involving any of the above listed construction work.)

I understand that the permittee must have complete record drawings prepared for this project. I also understand that the permittee must submit a certification of construction completion to the City and obtain written approval, or clearance, from the City before the project is placed into operation for any purpose other than disinfecting or testing for leaks.

Signature, Seal and Date of Professional Engineer (PE) *
<div style="border-bottom: 1px solid black; width: 90%; margin-bottom: 5px;"></div> <div style="border-bottom: 1px solid black; width: 90%; margin-bottom: 5px;"></div>
Name of Engineer _____
PE License Number _____
Portion of Preliminary Design Report for Which Responsible
<div style="border-bottom: 1px solid black; width: 90%; margin-bottom: 5px;"></div> <div style="border-bottom: 1px solid black; width: 90%; margin-bottom: 5px;"></div>

Signature, Seal and Date of Professional Engineer (PE) *
<div style="border-bottom: 1px solid black; width: 90%; margin-bottom: 5px;"></div> <div style="border-bottom: 1px solid black; width: 90%; margin-bottom: 5px;"></div>
Name of Engineer _____
PE License Number _____
Portion of Preliminary Design Report for Which Responsible
<div style="border-bottom: 1px solid black; width: 90%; margin-bottom: 5px;"></div> <div style="border-bottom: 1px solid black; width: 90%; margin-bottom: 5px;"></div>

* Except as noted in paragraphs 62-555.520(3)(a) and (b), FAC, projects shall be designed under the responsible charge of one or more PEs licensed in Florida. If this project is being designed under the responsible charge of one or more PEs licensed in Florida, Part III of this notice shall be completed, signed, sealed, and dated by the PE(s) in responsible charge.