

DEP Form 62-555.900(7) - Notice of Intent to Use the General Permit for Construction of Water Main Extensions for PWSs

Note: This checklist and example text is meant as an aid in preparing the DEP form and does **not** relieve the preparer of responsibility to provide complete and accurate information. This checklist does **not** need to be submitted with the form.

Checklist:

_____ Read instructions.

_____ **Part I - General Project Information**

_____ Part I.A: Enter applicable information.

_____ Part I.B: Enter applicable information. Include lengths, size(s), and material type(s) of all mains.

_____ Part I.C.1: Enter applicable information.

_____ Part I.D: Enter applicable information. Cost should include only PWS mains (i.e. pipelines 3" or larger that will be owned and operated by the County).

_____ Part I.E: Leave construction dates blank until submitting to FDEP.

_____ Part I.F: Enter applicable information. Permittee is typically not a PWS and should not check PWS type.

_____ Part 1.G: For Public Water Supply System supplying water to the project: Name is always Collier County Water Sewer District.

_____ Part I.I: Enter applicable information.

_____ **Part II - Preliminary Design Report for Project**

_____ Part II.A.1: Enter applicable information.

- Anticipated future development needs to be included.
- Residential average daily water demand should be based on 350 GPD per unit.
- Non-residential average daily water demand should be based on the values in F.A.C. 64E-6.008 adjusted by a factor of 1.4, the ratio of ERC values for water and wastewater respectively (i.e. 350/250).
- Always use a maximum day peaking factor of 1.35 per the Collier County Water-Sewer District 2014 Master Plan/CIP Plan.

_____ Part II.A.1.a: Describe/explain commercial, institutional and/or industrial facilities only.

_____ Part II.A.3: Enter applicable information per FFPC 18.4.5.1.2.

- The design fire-flow rate and duration for one- and two-family dwellings having a fire flow area that does not exceed 5000 SF shall be 1000 gpm for 1 hour unless reduced to as low as 500 gpm based on the building being provided with an approved automatic sprinkler system or being separated from other buildings by a minimum of 30 feet.
- The design fire-flow rate for other buildings shall be per FFPC Table 18.4.5.1.2 but shall not be less than 1000 gpm if protected throughout by an automatic sprinkler system (600 gpm if quick response) or 1500 gpm if unprotected with a minimum duration of 2 hours.
- Fire flow for apartment buildings is 1500 GPM for 2 hours.

_____ Part II.A.4: Revise the design service pressure range if approved by Utility Deviation. The design service pressure range is 20-50 psi per Collier County standards.

_____ Part II.B.1: Attach a site plan or sketch.

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- Part II.B.2: Note any surface water crossings or known aggressive soils. Otherwise, leave as "N/A."
- Part II.C.1. a through dd. In the spaces provided, initial in blue ink items that apply or mark "X" if not applicable. Items pre-marked "X" are never applicable in Collier County, items pre-marked "?" vary by project, and items with blank lines always apply, except when not included in the project.
- Item h* Mark "X" unless the project includes separate domestic and fire mains.
- Item i* Mark "X" if project includes dead-end mains, or initial if project achieves looping throughout.

- Items n & o* Mark "X" if project includes high points with ARVs, or initial if there are no high points in the design.
- Item p* Mark "X" unless the project includes blow-offs or ARVs. Initial even if ARVs or blow-offs are not located in a pit or vault.
- Item v* Mark "X" if there are no known aggressive soils in the project area.
- Item w* Mark "X" if there are no parallel mains in the project area.
- Items x & y* Mark "X" if there are no crossing mains in the project area.
- Item z* Mark "X" unless the project includes an aerial surface water crossing.
- Items aa & bb* Mark "X" unless the project includes a subaqueous crossing.

- Part II.C.2. Provide explanation for items under C.1.. that are marked with "X". Attach additional sheets as necessary.
- Item h* If marked "X" in C.1, provide explanation, e.g., "All water mains are designed to carry fire flows."
- Item i* If marked "X" in C.1, provide explanation, e.g., "Project includes dead-end water mains."
- Item m* Provide explanation, e.g., "No fire hydrants will have unplugged underground drains."

- Items n & o* If marked "X" in C (1), provide explanation, e.g., "No air releaf valves are part of the system because there are no high points."
- Item p* If marked "X" in C (1), provide explanation, e.g., "No chambers, pits, manholes, blow-offs, or air relief valves are proposed."
- Item v* If marked "X" in C (1), provide explanation, e.g., "There are no known aggressive soils in the project area."
- Item w* If marked "X" in C (1), provide explanation, e.g., "There are no parallel mains in the project area."
- Items x & y* If marked "X" in C (1), provide explanation, e.g., "There are no crossing mains in the project area."
- Item z* If marked "X" in C (1), provide explanation, e.g., "No aerial crossings are included in this design."
- Items aa & bb* If marked "X" in C (1), provide explanation, e.g., "No subaqueous crossings are included in this design."
- Item dd* Provide explanation, e.g., "No steam condensate, cooling water, or heat exchanges are part of this design."
- Include any additional information required to provide explanation of items marked "X" is attached to application form.
- Preparer must sign, seal, and date prior to PUEPMD approval.

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Checklist:

- _____ ***Part III - Certifications***
- _____ Part III.A: Permittee must sign and date prior to PUEPMD approval.
- _____ Part III.B: Email UtilityPlanning@colliercountyfl.gov for the most up-to-date plant flow data or follow the link <https://www.colliercountyfl.gov/your-government/departments/public-utilities-department/public-utilities-engineering-and-project-management/utility-planning-resources/fdep-permit-application-resrouces> to download the most current FDEP Permit Application Template.
- N/A Part III.C: To be signed by PUEPMD.
- _____ Part III.D: Preparer must initial, sign, seal, and date prior to PUEPMD approval.