Texas Commission on Environmental Quality

Public Water System Distribution Plan Review Submittal Form

Who Should Use This Form

Public water systems should use this form to submit plans and specifications of distribution system changes that are significant under Title 30, Texas Administrative Code (30 TAC) Chapter 290.39(j)(1)(D). If your submittal is for a distribution system project which requires political subdivision review and approval per state statute or local ordinance use Notification of Political Subdivision Approval of Distribution Change Form TCEQ-21036.

All pages of this form and all applicable attachments must be submitted electronically via email or TCEQ Send to PTRS@tceq.texas.gov.

Applicability Evaluation

Will this change result in a capacity deficiency per 30 TAC 290.45? ☐ Yes ☐ No

Enter the total number of proposed service connections: _____

Enter the total number of existing service connections: _____

Calculated Percent Change: _____

If the calculated percent change is 10 or less and the change will not result in a capacity deficiency, then use Public Water System Distribution Non-Significant Change Notification Form TCEQ-21037. However, if it is more than 10 or will result in a capacity deficiency, then proceed with this form.

General Information

PWS Name: _____ PWS ID: _____

Engineer Name:_____ Engineer Email: _____

Project Description: _____

Provide a project location description relative to existing roadways:

_____

Waterline

1) Provide page or sheet number in plans or specifications indicating the specified pipe materials:

_____

2) Do all potable waterlines conform to current American Water Works Association (AWWA) or American Society for Testing and Materials (ASTM) standards? ☐ Yes ☐ No

   a) If **No**, provide what commercial or other recognized standards the distribution system piping conforms with:

_____

3) Complete the following table for each waterline specification included with this submittal.

Pipe Material	Linear Feet	Pipe Diameter	Dimension Ratio	Pipe Standard

Note: *Combine regular and restrained joint pipe as applicable. The minimum waterline sizes in accordance with 290.44(c) are for domestic flows only and do not consider fire flows. Larger pipe sizes may be used when necessary. No new waterline less than two inches in diameter can be installed in a PWS distribution system. These minimum line sizes do not apply to individual customer service lines.*

4) What is the minimum depth of cover in feet provided for waterlines?

a) _____ feet

b) Provide sheet number for plan waterline trench detail: _____

Water Body Crossings

1) Are there any waterlines that are laid under any flowing or intermittent stream or semipermanent body of water such as marsh, bay, or estuary? ☐ Yes ☐ No

a) If Yes, select which criteria the waterline construction will comply with:

☐ Waterlines will be installed in a separate watertight pipe encasement, and valves provided on each side of the crossing with facilities to allow the underwater portion of the system to be isolated and tested to determine that there are no leaks in the underwater line.

☐ Trenchless pipelines will be installed, and comply with requirements listed in our guidance "Trenchless Pipeline Under Stream Crossing"

Provide sheet number for plans indicating the selected construction design: _____

Setback Distances

1) Are any fire hydrants located less than 9 feet from wastewater mains or facilities? ☐ Yes ☐ No

2) Are any wastewater manholes located less than 9 feet from a waterline? ☐ Yes ☐ No

3) Are any wastewater cleanouts located less than 9 feet from a waterline? ☐ Yes ☐ No

4) Are any septic tank drainfields located less than 10 feet from a waterline? ☐ Yes ☐ No

If Yes to any of the above, provide granted exception request(s) as an attachment.

Wastewater Line Separation Distance

1) Provide minimum horizontal separation distance between **parallel** water and wastewater mains:

_____ feet

a) If less than 9 feet and the **wastewater** mains are existing – will existing wastewater mains be replaced with pressure rated pipe? ☐ Yes ☐ No

(1) If No, provide location for engineer certification that the wastewater main is not leaking.

_____

2) Provide minimum **vertical** separation distance between water and wastewater main crossings where **waterline crosses above the wastewater main**:

_____ feet

a) If less than 9 feet **above**, provide sheet number for plans indicating the construction is in accordance with 30 TAC 290.44(e)(4)(B):

_____

3) Provide minimum **vertical** separation distance between water and wastewater main crossings where **waterline crosses below the wastewater main**:

_____ feet

a) If less than 9 feet **below**, provide sheet number for plans indicating the construction is in accordance with 30 TAC 290.44(e)(4)(B)(iii):

_____

Note: Crossings should be determined based on waterline mains not customer service lines. Any construction that is not in compliance with 30 TAC 290.44 must have a granted exception.

Attachments

Submittals to TCEQ must include only items directly related to the design and construction of potable water distribution lines, sewer line crossings, and associated appurtenances. All plan drawings and specifications must be signed and sealed in accordance with the Texas Engineering Practice Act. All documents must be flattened PDFs before sending them to TCEQ. Large, layered files can slow down TCEQ review. Submittals without the following required attachments may be returned without review.

☐ Engineering Plans (signed and sealed by a Texas P.E.)

Complete engineering plans must include a Title Sheet, Project Location, and applicable construction notes, legends, symbols, and definitions.

Provide sheet numbers for the following items:

Water and Sewer Line Layout Drawings: _____

Water Line and Sewer Main Profile Drawings: _____

Water Line Construction Details: _____

Sewer Main Construction Details: _____

☐ Technical Specifications (signed and sealed by a P.E.)

☐ (If applicable) Granted Exception Requests.

If any of the above attachments are not provided provide a short justification for the omission:

Engineer's Certification

By my signature below, I certify to the best of my knowledge that the information provided in this form is true and complete, I have professionally examined the form and all attachments, and that I have authority to sign on behalf of the PWS for this submittal.

The following certification indicates I have the authority to make submittals on behalf of the PWS referenced on Page 1. I hereby certify that this submittal is in conformance with 30 TAC 290 Section 290.44, and the following rule requirements have been met.

☐ Distribution improvements are designed for effective water circulation.
☐ No waterline pipe will be used for purposes other than drinking water.
☐ No pipe will be laid in water or in a place where it can be flooded.
☐ All pipes, fittings, and valves contain less than 0.25% lead.
☐ All pipes and other related products conform to ANSI/NSF Standard 61.
☐ All plastic pipes will bear NSF-pw seal.
☐ All air release devices will be installed with 16-mesh or finer screen.
☐ Waterlines and wastewater mains will be installed in separate trenches.
☐ All construction will be conducted to prevent comingling of water and wastewater.
☐ All valves will be installed in a manner to allow repairs without widespread outages.
☐ All waterlines will be installed in accordance with the manufacturer's instructions.
☐ The hydrostatic leakage rate will comply with AWWA standards.
☐ All waterlines will be disinfected in accordance with AWWA Standard C651.
☐ All waterlines will be flushed and sampled for bacteriological contamination after disinfection in accordance with 30 TAC 290.44(f)(3).
☐ The PWS will maintain at least 35 psi throughout the distribution system, and a minimum of 20 psi during fire flow conditions, after the proposed distribution improvements.

Engineer's Printed Name: _____

Engineer's Firm Name: _____ Firm No.: _____

Firm Address: _____

Signature: _____

Engineer Seal Here