



NORTH FRONT RANGE WATER QUALITY PLANNING ASSOCIATION
 257 Johnstown Center Dr.; Unit 206
 Johnstown, CO 80534
 970-587-8872 - <http://www.nfrwqpa.org>

**208 Areawide Water Quality Management Plan Amendment
 New Wastewater Treatment Facility
 (60-Day Public Notice Required)**

To meet the plan amendments minimum requirements, all items are required and must be included to be accepted for review and considered for approval. Submitted references to other materials is not acceptable, i.e., refer to..., or see..

A. Project and System Information			
Applicant / Entity			
Representative Name / Title			
Project Title			
Address			
Email			
Phone			
County			
B. Project Design Company Information			
Design Company Name			
Design Engineer		CO License Number	
Address			
Email			
Phone		Date of Application:	
C. 401 Certification, Appendix A			
Is the 401 Certification is approved to allow discharge into waters of the State of Colorado?			
Yes: <input type="checkbox"/>	Provide in Appendix.	No: <input type="checkbox"/>	
D. Current or Proposed Wastewater Utility Service Area (WUSA) Agency / System Information, Appendix B			
Current (approved) or Proposed WUSA Boundary:		WUSA capacity to be served by the New WWTF:	
WUSA map: https://nfrwqpa.colorado.gov/agency-service-area-maps		Maximum Month Average WUSA Hydraulic Capacity in million gallons per day (MGD)	MGD
WUSA Description		Peak Hour WUSA Hydraulic Capacity in million gallons per day (MGD)	MGD
County		WUSA Organic Capacity (lbs. BOD ₅ /day) - WUSA Only	lbs. BOD ₅ /day
The current WUSA or proposed WUSA must demonstrate that the Management or Operating agency has the ability to provide sewage service to all types of water rights within the WUSA boundary. This may be demonstrated by a map illustrating water providers and differing water rights by crosshatched boundaries overlaid on a WUSA Map.			
WUSA Population Information			
Current WUSA Population and Projections:		Current Single Family Equivalents (SFEs) and Projections:	
Current population:		Current SFEs:	
5 Years:		5 Years:	
10 Years:		10 Years:	
15 Years:		15 Years:	
20 Years:		20 Years:	
Population Source:	SFEs Source/Factor(s):		

Include a map illustrating the new WWTF vicinity within the WUSA, stream segment, and discharge location, Appendix C.
Sources of information:

1. NFRWQPA Agency Wastewater Utility Service Area Maps; <https://nfrwqpa.colorado.gov/agency-service-area-maps>
2. NFRWQPA GIS Database; <https://data-nfrwqpa.hub.arcgis.com/>

New Wastewater Treatment Facility Project Site Location Information

Proposed WWTF description map, describe or illustrate the change proposed:		Maximum Month Average Hydraulic Capacity in million gallons per day (MGD)	MGD
Legal Description (e.g., Section, Township, Range)		Peak Hour Hydraulic Capacity in million gallons per day (MGD)	MGD
County		Organic Capacity (lbs. BOD ₅ /day)	lbs. BOD ₅ /day

Current or anticipated WWTF/POTW Flow loads (mgd):		Current or anticipated WWTF/POTW Organic loads (lbs. BOD₅/day):	
Design Capacity (mgd)		Organic Design Capacity	
Current Flow Load		Current Organic Load	
5 Year Flow Load		5 Year Organic Load	
10 Year Flow Load		10 Year Organic Load	
15 Year Flow Load		15 Year Organic Load	
20 Year Flow Load		20 Year Organic Load	
Year at 80% Design Capacity		Year at 80% Design Capacity	
Year at 95% Design Capacity		Year at 95% Design Capacity	

E. Discharge Downstream Distances; NFRWQPA GIS Database; <https://data-nfrwqpa.hub.arcgis.com/>

a) Downstream distance from the discharge point to the nearest domestic water supply intake? Name of supply? Address of supply? Please include a 1-mile radius map of domestic water supplies, Appendix D.

Distance:
Name of Supply:
Address of Supply:

b) Downstream Distance from the discharge point to the next nearest permitted discharge? Name of the user? Address of the user? Please include a 5-mile radius map of permitted discharges, Appendix E.

Distance:
Name of User:
Address of User:

c) Will the additional discharge of the new WWTF affect other dischargers or drinking water supplies on the stream segment? Name of the user? Address of the user? No: Yes:

Distance:
Name of User:
Address of User:
If yes, explain:

F. CDPS Permit, Primary Effluent Limits (PELs), or Notice of Authorization (NOA) requirements and constraints, Appendix F.

CDPS permit, PELs, or NOA description and information:

CDPS #:	Expiration Date:
PELs #:	Expiration Date:
CDPS Status:	Active: <input type="checkbox"/> Administratively Extended: <input type="checkbox"/>
NOA #:	

Other CDPS, PELs, or NOA info:

Will the WWTF have any difficulties or special treatment requirements for meeting the CDPS, PELs, or NOA water quality planning targets? Explain:

G. Stream Segment WID & EPA Classifications and Assessments:

The Stream Segment and EPA Classifications may be obtained with Divisions Section 305(b) Integrated Water Quality Monitoring and Assessment Report here:

<https://cdphe.colorado.gov/rulemaking-boards-and-commissions/water-quality-control-commission/water-quality-control-commission>

Stream Segment WID:				
Stream Segment Description:				
Stream Segment IR Category:			Acres/Miles:	
Aquatic Life Tier:			Recreational Tier:	
EPA Classified Use	Assessment	Analyte	Category / List	Priority
Aquatic Life Use				
Recreation				
Agriculture				
Water Supply				
Wetlands				

H. Stream segment TMDLs

The Stream Segment TMDLs may be obtained within Divisions Regulation #93 and the 303(d) list of impaired waters here:

<https://cdphe.colorado.gov/impaired-waters>

Stream Segment WID:			
Stream Segment Description:			
Affected Use	Analyte	Category / List	Priority

I. Opportunities of Consolidation analysis, Appendix G.

Refer to Regulation No. 22 -Site Location & Design Guidance and WQCD Design Manual DR-1. Per Regulation No. 22, the Division is required to “encourage the consolidation of wastewater treatment works whenever feasible” with consideration for such issues as:

1. Water Conservation
2. Water Rights Utilization
3. Stream Flow
4. Water Quality
5. Economics
6. Wastewater Service Area
7. Distance
8. Threaten or Endangered Species
9. Local Plans

Confirm regional consolidation decisions, including the reasons for or against, with letters signed by the involved agencies' decision-making authorities. IGAs, letters, or meeting minutes should identify legally responsible personnel with decision-making authority (i.e., mayor, president/chair of the council/board, town or city council/board, public works director, owner, corporate officer, other authorized officials, etc.) with the business, organization, or municipality.

J. Floodplain (FEMA) or other natural Hazards, Appendix H.

Is the proposed WWTF in a 100-year floodplain or other natural hazard areas? Evidence that the proposed site and facility operations will not be adversely affected by floodplain or other natural hazards. Where such hazards are identified at the selected site, the report shall describe means of mitigating the hazard.

K. Evaluation of Alternative Site Locations and treatment technology alternatives, Appendix I.

Detailed description of selected alternatives including various sites, the legal description of the location of the proposed treatment works, treatment system description, design capacities, and operational staffing needs.

L. Land Ownership, Appendix J.

Legal arrangements showing control of the site for the project life or showing the ability of the entity to acquire the site and use it for the project life.

M. Management Capabilities - Intergovernmental Agreement(s) (IGAs), Appendix K.

Management capabilities for controlling the wastewater loadings within the proposed treatment works' capacity limitations, i.e., user contracts, operating agreements, pretreatment requirements, and/or the management capabilities to expand the facilities as needed (subject to the appropriate, future review and decision procedures).
Include intergovernmental agency agreement(s) with agencies agreeing to the New WWTF, including collection systems to be served by the New WWTF, and capacity sharing agreements. Including contracts to pay for acceptable waste treatment. IGAs may be simple nonlegal agreements that document agencies agree to the New WWTF, or agree to be served by the New WWTF. These IGAs ensure long term 208 planning collaboration between agencies concerning WUSA boundaries and consolidation WWTFs (5-mile radius).

N. Financial 20-Year Capabilities, Appendix L.

Provide a 20-year financial budget developed to provide necessary capital and continued operation, maintenance, capital improvement projects, and replacement through the life of the project. This would include, for example, anticipated annual budget and the fee and rate structure. This section would include the current or proposed sewer rates, sewer tap fees, and projected rate or fee increases over 20 years.

O. Capital Improvements Schedule

Capital improvements schedule and implementation plan and schedule including estimated construction time and estimated start-up date.

P. Emergency Operations Plan, Appendix M.

Demonstration of the owner's capability to operate and maintain the facility, which shall include an emergency operations plan. The emergency operations plan shall outline procedures to minimize the possibility of sanitary sewer overflows and health hazards to the public and operations personnel. The emergency operations plan shall include information on, but not be limited to telemetry, backup power supply identification, portable emergency pumping equipment, emergency storage/overflow protection, and operator emergency response time.

Q. Right of Way Easements, Appendix N.

Where the site application indicates that the proposed domestic wastewater treatment works will discharge treated effluent to a ditch or other manmade conveyance structure, or that an easement, right-of-way or other access onto or across private property of another person may be necessary to construct the facility or to effectuate the discharge, the applicant shall furnish to the NFRWQPA evidence that a notice of the intent to construct a new domestic wastewater treatment works has been provided to the owner of such private property.

R. Shared Capacity Agreements, Appendix O.

Where capacity in a domestic wastewater treatment works is shared between two or more entities, the entities must have entered into a capacity sharing agreement. The capacity sharing agreement must include terms that define that allocation of the treatment works amongst the parties and terms for initiating expansion of capacity and provisions for design capacity changes (increase or decrease). A draft of the agreement must be submitted with the site location application and a final approved version must be submitted with the design.

S. Responsible Parties

What agency or entity is financially responsible for the construction of the new WWTF?

What agency or entity has the financial responsibility for owning and long-term operating expense of the new WWTF?

What agency or entity has the financial responsibility for managing and operating expense of the new WWTF?

T. New WWTF Funding sources

The applicant shall state whether the project is self-funded or Funding from sources such as the Revolving Loan Fund and/or Department of Local Affairs.

U. Current and proposed land use and zoning of project site and WUSA, Appendix P.

The Applicant must demonstrate that the WWTF project site's current and/or future land use and zoning is approved. For support of the WUSA and WWTF loading projections also provide the WUSA land use and zoning maps.

Please attach a map of the current and or proposed land use zoning maps.

1. USGS' National Land Cover Dataset (NLCD, <http://www.mrlc.gov/>)
2. USDA's National Agricultural Statistics Service (NASS, <http://www.nass.usda.gov/>)
3. Colorado State University WRAP tool (<https://erams.com/catena/tools/colorado-collaborative/watershed-assessment/>) under the "Land Surface" data category for any area of interest across the country
4. County and city land and zoning maps.

V. Collection System Requirements; sizing, type, and staging, including needed lift stations, if any, Appendix Q.

The applicant must provide the collection system requirements, sizing, pipe type, and staging, including any lift stations, needed to be constructed to serve the WWTF.

Please attach a map of the current and or proposed collection system maps.

W. Collection System Inflow & Infiltration, if collection system already exists.

- a) Please identify the current WUSA Inflow & Infiltration. I&I estimates should be included within the design flow of the proposed WWTF, and unsupported I&I should be at least 10% of the design flow of the WWTF.

b) Is the Inflow & Infiltration considered excessive? Illustrating what portion of the daily flow basis per capita per day (gpcd) is I&I and what part is attributed to calculated or anticipated wastewater flows.

NOTE: The EPA guideline for potentially excessive I&I on an average daily flow basis is 120 gallons per capita per day (gpcd) (EPA, May 1985). If the average wet weather flow exceeds 275 gpcd, the inflow is considered to be excessive (EPA, May 1985). The above I&I EPA numbers cited above historically have been used for grants and loans and are outdated. [CW-14 Implementation Policy Regulation No. 22 - Site Location and Design Regulations for Domestic Wastewater Treatment Works \(5 CCR 1002-22\)](#) denotes unsupported I&I estimates should be a minimum of 10 percent of the average daily flow. <https://cdphe.stg.colorado.gov/water-quality/regulations-policies-and-guidance/facility-design-approval-policies>

X. Funding Process.

Will the State Revolving Fund (SRF) loan program be used to finance any portion of the project?	Yes: <input type="checkbox"/>	No: <input type="checkbox"/>	If yes, please list project number.	
Is the project self-funded?	Yes: <input type="checkbox"/>	No: <input type="checkbox"/>		

Project Schedule and Cost Estimate.

Estimated Bid Opening Date:		Estimated Construction Start Date:	
Estimated Bid Closing Date:			
Estimated Project Cost		Estimated Completion Date:	

Y. 208 Areawide Water Quality Management Plan Consideration.

For the amendment project of adding a new WWTF to the region, indicate how this project aligns with the Association's current 208 Areawide Water Quality Management Plan to ensure present and future wastewater needs are met economically and with a focus on protecting, maintaining, or restoring water quality.

Z. Agency Point Source Inventory Data, Appendix R.

Include the Agency's Point Source Inventory Data summary for adoption into the 208 AWQMP. Examples may be viewed on the NFRWQPA website, <https://nfrwqpa.colorado.gov/agency-point-source-data-inventory>.

aa. Agency Certification the Agency has or will have the WWTF will have the capacity to support the WUSA.

Agency Capacity Certification		Current agency / system WWTF / POTW capacity:	
Applicant Legal Representative (e.g., Public Works Director) Typed Name:		Maximum Month Average WWTF / POTW Hydraulic Capacity in million gallons per day (MGD)	MGD
Signature:		Peak Hour WWTF / POTW Hydraulic Capacity in million gallons per day (MGD)	MGD
Date:		Organic Capacity (lbs. BOD ₅ /day) - WWTF / POTW Only	lbs. BOD ₅ /day

Referral Agencies Signatures Page

NOTE: NFRWQPA will route and acquire the required signatures, not the applicant.

Z. Signature of Management Agency (Applicant), if different from other entities listed below				
Role	Date	Typed Name / Agency	Signature	
		Recommend Approval?	Yes	No
			<input type="checkbox"/>	<input type="checkbox"/>
Signature of County Planning Department				
Role	Date	Typed Name / Agency	Signature	
		Recommend Approval?	Yes	No
			<input type="checkbox"/>	<input type="checkbox"/>
1. Adjacent Signature of City or Town, could be multiple adjacent boundaries of WUSA Amendment being proposed needed for approval				
Role	Date	Typed Name / Agency	Signature	
		Recommend Approval?	Yes	No
			<input type="checkbox"/>	<input type="checkbox"/>
2. Adjacent Signature of City or Town, could be multiple adjacent boundaries of WUSA Amendment being proposed needed for approval				
Role	Date	Typed Name / Agency	Signature	
		Recommend Approval?	Yes	No
			<input type="checkbox"/>	<input type="checkbox"/>
3. Adjacent Signature of City or Town, could be multiple adjacent boundaries of WUSA Amendment being proposed needed for approval				
Role	Date	Typed Name / Agency	Signature	
		Recommend Approval?	Yes	No
			<input type="checkbox"/>	<input type="checkbox"/>
4. Adjacent Signature of City or Town, could be multiple adjacent boundaries of WUSA Amendment being proposed needed for approval				
Role	Date	Typed Name / Agency	Signature	
		Recommend Approval?	Yes	No
			<input type="checkbox"/>	<input type="checkbox"/>
Signature of Local Health Authority				
Role	Date	Typed Name / Agency	Signature	
		Recommend Approval?	Yes	No
			<input type="checkbox"/>	<input type="checkbox"/>
Signature of Other Basin Water Quality Authority, Watershed Association, Watershed Authority, etc., if the facility is located in a Water Quality Control Commission Watershed Protection Control Area.				
Role	Date	Typed Name / Agency	Signature	
		Recommend Approval?	Yes	No
			<input type="checkbox"/>	<input type="checkbox"/>
Signature of North Front Range Water Quality Planning Association				
NOTE: NFRWQPA signature is obtained, including the Association's recommendation, after the public hearing decision of the 208 plan amendment.				
Role	Date	Typed Name / Agency	Signature	
		Recommend Approval?	Yes	No
			<input type="checkbox"/>	<input type="checkbox"/>

Review Agency Comments:

Appendix A
401 Certification

Appendix B
Current (or Proposed) WUSA Map recognized and approved by NFRWQPA

Appendix C
Map Identifying Stream Segment WID, WWTF, and discharge location

Appendix D
1-mile Radius Map Identifying Drinking Water wells or water sources

Appendix E
5-mile Radius Map Identifying other permitted discharges

Appendix F

CDPS Permit, Primary Effluent Limits (PELs), or Notice of Authorization (NOA) requirements and constraints

Appendix G
Opportunities for Consolidation Analysis Statements or IGAs

Appendix H
FEMA Flood Plain Maps identifying the proposed WWTF site

Appendix I
Treatment Technology Alternatives Analysis

Appendix J
Land Ownership

Appendix K
Intergovernmental Agreements (IGAs)

Appendix L
20-Year Financial Budget and Capabilities

Appendix M
Emergency Operations Plan

Appendix N
Right of Way Easements

Appendix O
Shared Capacity Intergovernmental Agreements

Appendix P
Land Use and Zoning Map

Appendix Q
Current and Proposed Collection System Maps, including Lift Stations

Appendix R
Agency Point Source Inventory Data