



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
Consolidation of Treatment Operations
 (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. Current Wastewater Utility Service Area (WUSA) Agency / System Information, Appendix A.			
WUSA Boundary currently recognized and approved:		Current WUSA Calculated loading:	
WUSA map: https://nfrwqpa.colorado.gov/agency-service-area-maps		Maximum Month Average WUSA Hydraulic loading in million gallons per day (MGD)	MGD
WUSA Description		Peak Hour WUSA Hydraulic loading in million gallons per day (MGD)	MGD
County		WUSA Organic loading (lbs. BOD ₅ /day)	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.			
Wastewater Treatment Facility Capacity Increase or Decrease Information			
Current WWTF Design Capacity:		Proposed WWTF Design Capacity with Increase or Decrease:	
Maximum Month Average WWTF Hydraulic Capacity in million gallons per day (MGD)	MGD	Maximum Month Average WWTF Change Hydraulic Capacity in million gallons per day (MGD)	MGD
Peak Hour WWTF Hydraulic Capacity in million gallons per day (MGD)	MGD	Peak Hour WWTF Hydraulic Capacity in million gallons per day (MGD)	MGD
WWTF Organic Capacity (lbs. BOD ₅ /day)	lbs. BOD ₅ /day	WWTF Organic Capacity (lbs. BOD ₅ /day)	lbs. BOD ₅ /day
208 AWQMP amendments are allowed only for WWTF increases equal to or less than 50,000 gpd.			
Is the design capacity increase <=50,000 gpd.	Yes: <input type="checkbox"/>	If yes, proceed with the application.	No: <input type="checkbox"/>
			If No, a Utility Plan Update is required.

Current and anticipated WWTF/POTW Flow loads (mgd):		Current and anticipated WWTF/POTW Organic loads (lbs. BOD₅/day):	
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	

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

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

WUSA Population Information

Current WUSA Population and Projections:

Current population:	
5 Years:	
10 Years:	
15 Years:	
20 Years:	

Current Single Family Equivalents (SFEs) and Projections:

Current SFEs:	
5 Years:	
10 Years:	
15 Years:	
20 Years:	

Population Source:

SFEs Factor(s):

D. Capacity increase or decrease purpose.

The applicant shall briefly explain the reason for the capacity increase or decrease.

E. Performance of Existing WWTF regarding the water quality based limits of the CDPS, PELs, or NOA, Appendix C.

The applicant shall demonstrate that the WWTF can meet the water quality based limits of the CDPS, PELs, or NOA, or will be able to meet the water quality based limits based on planned WWTF upgrades due to the capacity increase or decrease.

F. 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				

G. Stream Segment WID & EPA Classifications and Assessments

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

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

CDPS permit or PELs description and information:

a) CDPS #:	Expiration Date:	
b) PELs #:	Expiration Date:	
c) CDPS Status:	Active: <input type="checkbox"/>	Administratively Extended: <input type="checkbox"/>

NOA #:
Other CDPS or PELs info:

d) Will the capacity increase or decrease create any difficulties in meeting the water quality limits of the CDPS, PELs, or NOA:
Explain:

I. 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 E.

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 F.

Distance:
Name of User:
Address of User:

c) Will the additional discharge of the WUSA boundary amendment affect other dischargers on the stream segment? Name of the user? Address of the user? No: Yes:

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

J. 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

Economically, does it make sense to perform a costly plant expansion to upgrade a plant due to urbanization or route the service area flows to a plant with adequate capacity? Consolidation may also be based on differing stream segment assimilative capacities between agencies. For example, does it make sense to consolidate WWTFs based on which stream segment has the greatest assimilative capacity for anticipated growth? 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.

K. Current WWTF Process Overview, Appendix H

The applicant shall provide the current WWTF process with a brief narrative and flow schematic.

L. Modifications and Construction

Description of proposed modifications and construction due to either the capacity increase or decrease.

M. Capital Improvements Schedule

Capital improvements implementation plan and schedule, including the estimated construction time and the estimated date upon which the modified plant will be in operation.

N. Management Capabilities - Intergovernmental Agreement(s) (IGAs), Appendix I.

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).

O. Responsible Parties

What Agency or entity is financially responsible for the construction of the WWTF capacity increase or decrease?

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 WWTF?

P. Provide changes in the currently approved Utility Plan financial budget, Appendix J

Provide changes in the currently approved Utility Plan financial budget that will result from the proposed increase or decrease in the design capacity, including changes to the fee structure. Provide a 20-year financial budget developed to provide for 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 the 20 years.

Q. 208 Areawide Water Quality Management Plan Considerations.

For the amendment projects increasing or decreasing the design capacity of a WWTF in 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.

R. Agency Point Source Inventory Data, Appendix K.

Include a updated Agency's current Point Source Inventory Data summary from the NFRWQPA website, <https://nfrwqpa.colorado.gov/agency-point-source-data-inventory>.

S. Agency Certification the Agency has or will have the capacity to support the WWTF Capacity Increase or Decrease

Agency Capacity Certification		<i>WWTF / POTW total capacity with increase or decrease:</i>	
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.

Signature of Management Agency (Applicant), if different from other entities listed below				
Role	Date	Typed Name / Agency	Signature	
			Recommend Approval?	Yes <input type="checkbox"/> No <input type="checkbox"/>
Signature of County Planning Department				
Role	Date	Typed Name / Agency	Signature	
			Recommend Approval?	Yes <input type="checkbox"/> No <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 <input type="checkbox"/> No <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 <input type="checkbox"/> No <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 <input type="checkbox"/> No <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 <input type="checkbox"/> No <input type="checkbox"/>
Signature of Local Health Authority				
Role	Date	Typed Name / Agency	Signature	
			Recommend Approval?	Yes <input type="checkbox"/> No <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 <input type="checkbox"/> No <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 <input type="checkbox"/> No <input type="checkbox"/>

Review Agency Comments:

Appendix A
Current WUSA Map recognized and approved by NFRWQPA

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

Appendix C

Performance of Existing WWTF regarding the water quality based limits of the CDPS, PELs, or NOA

Appendix D

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

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

Appendix F
5-mile Radius Map Identifying other permitted discharges

Appendix G
Opportunities of Consolidation Analysis

Appendix H
Current WWTF Process Overview

Appendix I
Intergovernmental Agreements (IGAs)

Appendix J
20-Year Financial Budget and Capabilities

Appendix K
Agency Point Source Inventory Data