

NFRWQPA 2007 WATER QUALITY PLAN UPDATE  
Major Point Source Inventory Data

Operating Agency: *City of Northglenn*      Utility Plan: Approved 07/2003

NPDES Permit #: CO-0036757      Permit Expires: 07/31/2007 Administrative Extension

Description of Treatment Facilities: Aerated lagoon system operating in conjunction with an activated sludge treatment facility and an effluent holding reservoir.

Treatment Facility Location: W ½, Section 36, T1N, R68W

Discharge Location(s): Bull Canal, Thompson Ditch, or Big Dry Creek

Stream Segment Classification: Big Dry Creek Segment 1, Warm Water Aquatic Life Class 2, Recreation Class 1b, and Agriculture.

Service Area Population:

Existing	2010	2015	2020	2025
36,854	41,100	41,100	41,100	41,100

Capacities:

	Design Capacity	Existing Load	2010	2015	2020	2025	Year at 80% Design	Year at 95% Design
Flow (mgd)	6.5	3.548	4.36	4.56	4.94	4.94	>2025	>2025
Organic (lbs/day BOD <sub>5</sub> )	11,384	7,065	8,000	8,365	9,065	9,065	>2025	>2025

Note: Existing loads are averages from calendar year 2006.

Biosolids treatment and disposal: Anaerobic digestion and land application

Effluent limits required beyond secondary to meet stream standards: Ammonia limits

Estimated 5-year construction needs: The capacity at the facility will be adequate to provide service to Northglenn's corporate boundaries at build out in 2010. Future expansions will be based on the treatment needs of the surrounding communities and agencies. As additional service is requested by the surrounding entities, the city will begin planning for the expansion of the facility.