

NFRWQPA 2007 WATER QUALITY PLAN UPDATE
Major Point Source Inventory Data

Operating Agency: **Weld County Tri-Area Sanitation District**

Utility Plan: Conditional Approval 6/2007

NPDES Permit #: CO-0021580

Permit Expires: 1/31/2011

Description of Treatment Facilities: Aerated ponds, and chlorination.

Treatment Facility Location: North of Firestone, SW ¼, NW ¼, Section 19, T2N, R67W.

Discharge Location: SW ¼, NW ¼, Section 19, T2N, R67W

Stream Segment Classification: St. Vrain Creek via an unnamed tributary, Warm Water Aquatic Life Class 2, Recreation Class 1a, and Agriculture.

Service Area Population:

Existing	2010	2015	2020	2025
8,738	18,658	25,030	33,780	42,523

Estimates from the 2007 WCTASD Master Plan

Capacities:

	Design Capacity	Existing Load	2010	2015	2020	2025	Year at 80% Design	Year at 95% Design
Flow (mgd)	1.5	0.905	1.866	2.503	3.086	3.669	*	*
Organic (lbs/day BOD ₅)	1,659						*	*

* See estimated 5-year construction needs

Estimates from the 2007 WCTASD Master Plan – average daily flows

Biosolids treatment and disposal:

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

Estimated 5-year construction needs: The St. Vrain Sanitation District (SVSD) will assume responsibility of the District's treatment facility in 2008. This facility will be decommissioned and an interceptor sewer will be built that will carry the current and future flows from the area to the SVSD treatment facility.

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