

NFRWQPA 2011 WATER QUALITY PLAN UPDATE  
Major Point Source Inventory Data

Operating Agency: *City of Longmont*

CDPS Permit #: CO-026671

Permit Expires: 1/31/2008 (not renewed as of 2011)

Description of Treatment Facilities: Activated sludge, clarification, nitrification, UV disinfection, and anaerobic sludge digestion.

Treatment Facility Location: (Outside NFRWQPA planning area) N ½, NW ¼, Section 11, T2N, R69W

Discharge Location: (Outside NFRWQPA planning area) COSPSV03, Saint Vrain Creek Segment 03 in the NW ¼, Section 11, T2N, R69W.

Stream Segment Classification: Class 1 Warm Water Aquatic Life, and Recreation Class E.

Service Area Population:

Existing	2015	2020	2025	2030
86,270	87,000	92,570	101,670	112,953

Capacities:

	Design Capacity	Existing Load	2015	2020	2025	2030	Year at 80% Design	Year at 95% Design
Flow (mgd)	17	9.40	9.06	9.44	10.37	11.8	>2025	
Organic (lbs./day BOD <sub>5</sub> )	31,000	18,800	19,640	20,270	22,370	28,000	>2025	

Biosolids treatment and disposal: Anaerobic digestion/land application is used to treat and beneficially reuse biosolids.

Treatment level: The degree of treatment required and effluent limitations are outlined in Permit #CO-026671. Ammonia limits as part of a TMDL analysis for the St. Vrain Creek basin.

Estimated 5-year construction needs: Five year Capital Improvements Program and 10-year projection of needs include the following facility improvements:

- New Headworks Facility and Biofilter 2011-2012 - \$11.0 million
- Biosolids Thickening & Dewatering Facilities 2011-20140-\$6 million
- Nitrification/denitrification and/or nutrient removal (2015-2017) - \$14,000,000