

NFRWQPA 2011 WATER QUALITY PLAN UPDATE
Major Point Source Inventory Data

Operating Agency: *Town of Windsor*

Utility Plan Approved: 2/2010

CDPS Permit #: CO-0020320

Permit Expires: 4/30/2014

Description of Treatment Facilities: Activated sludge, nitrification, possible denitrification, and UV disinfection.

Treatment Facility Location: SE ¼, SE ¼, Section 34, T6N, R67W

Discharge Location: COSPCP12, Cache la Poudre River Segment 12 in the SE ¼, Section 34, T6N, R67W.

Stream Segment Classification: Class 2 Warm Water Aquatic Life, Recreation Class E, and Agriculture.

Service Area Population:

Existing	2015	2020	2025	2030
19,000	23,125	27,250	31,375	35,500

Note: Projections are based on medium growth projections.

Capacities:

	Design Capacity	Existing Load	2015	2020	2025	2030	Year at 80% Design	Year at 95% Design
Flow (mgd)	2.8	1.39	1.71	2.04	2.40	2.79	2023	2029
Organic (lbs./day BOD ₅)	7,006	3,138	3,859	4,602	5,412	6,290	2027	>2030

Note: projections include future flows from the Town of Severance.

Biosolids treatment and disposal: Biosolids are dredged, de-watered, and air dried on-site prior to land application.

Treatment level: The degree of treatment required and effluent limitations are outlined in Permit #CO-0020320.

Estimated 5-year construction needs: Near term improvements include the installation of a new influent headworks and pumping station and the eventual replacement of the existing disinfection system. The Town's East Side Interceptor will also be extended. The Utility Plan approved in 2010 also discussed long term improvements included the eventual expansion of the facility however the current facility will provide adequate capacity well into the planning period.