

NFRWQPA 2007 WATER QUALITY PLAN UPDATE
Major Point Source Inventory Data

Operating Agency: *Town of Wellington*

Utility Plan: Approved 12/2000

NPDES Permit #: CO-0046451

Permit Expires: 8/31/2008

Description of Treatment Facilities: Extended aeration oxidation ditch system with an activated sludge process including a headworks pumping station, final clarifiers, sludge dewatering, aerobic digester and UV disinfection.

Treatment Facility Location: SE ¼, NW ¼, Section 10, T8N, R68W

Discharge Location: Boxelder Creek in the SE ¼, NW ¼, Section 10, T8N, R68W.

Stream Segment Classification: SE ¼, NW ¼, Section 10, T8N, R68W

Service Area Population:

Existing	2010	2015	2020	2025
4,000	9,000	14,000		

Capacities:

	Design Capacity	Existing Load	2010	2015	2020	2025	Year at 80% Design	Year at 95% Design
Flow (mgd)	0.45						2006	2007
Organic (lbs/day BOD ₅)	1,314						2006	2007

Biosolids treatment and disposal: Solids treatment will be accomplished through the AACD process (agitate air drying and curing) which is expected to produce a Class A biosolid for disposal on town property, surrounding sod farms, and possibly the CSU ARDEC site.

Effluent limits required beyond secondary to meet stream standards: Ammonia limits are specified in the new permit, with 1-2 mg/L effluent NH₃ being the most restrictive monthly average limit.

Estimated 5-year construction needs: