

NFRWQPA 2011 WATER QUALITY PLAN UPDATE
Minor Point Source Inventory Data

Operating Agency: *Fox Acres*

Utility Plan Approved: 4/2010

CDPS Permit #: COG-589000

Permit Expires: 7/31/2004

CDPS Facility #: COG-589112

Administrative Extension

Description of Treatment Facilities: Advanced integrated 2-cell pond system.

Treatment Facility Location: SE ¼, SW ¼, Section 22, T10N, R73W

Discharge Location: COSPCP08, Columbine Creek tributary to the North Fork Cache la Poudre in the SE ¼, SW ¼, Section 22, T10N, R73W.

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

Service Area Population:

Existing	Build-out Potential
88 units built	258 total units

Build out is not expected prior to 2030.

Capacities:

	Design Capacity	Existing Load (Average Summer)	Year at 80% Design	Year at 95% Design
Flow (mgd)	0.035 permitted	0.0215	>2030*	>2030*
Organic (lbs/day BOD ₅)	62 permitted	49	>2030*	>2030*

*See 5-year construction needs below.

Treatment level: The expanded facility was designed based on Preliminary Effluent Limits received from CDPHE in November 2009.

Estimated 5-year construction needs: In 2010 NFRWQPA recommended approval of a Site Application that would expand the capacity of the facility to 0.1 mgd. This expansion would include the addition of a Sequence Batch Reactor plant followed by filtration and UV disinfection.