

NFRWQPA 2011 WATER QUALITY PLAN UPDATE  
Minor Point Source Inventory Data

Operating Agency: ***Ben Delatour Boy Scout Camp***      Utility Plan Approved: Amendment 2/2010

CDPS Permit #: Not issued, site application approval #4831

Description of Treatment Facilities: Evaporative lagoon system and leach field with individual septic tanks. The camp is working with CDPHE to design a facility that will meet the treatment needs given the intermittent nature of the operations.

Treatment Facility Location: SE ¼, SE ¼, Section 13, T9N, R73W

Discharge Location: To groundwater in the Elkhorn Creek drainage, Cache la Poudre River Watershed in the SE ¼, SE ¼, Section 13, T9N, R73W.

Stream Segment Classification: NA – discharge to groundwater

Service Area Population: A maximum of 625 people (campers and staff) can be served by the facility per week.

Capacities:

	Design Capacity	Proposed Capacity	Existing Load
Flow (gpd)	7,500*	18,000	Estimated to be 16,748 gpd at current usage rates
Organic (lbs/day BOD <sub>5</sub> )	28.1*	115.7	

\* As per site application approval #4813

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

Estimated 5-year construction needs: In 2010 the ranch received Site Application approval for a new treatment facility that would serve the Coral Rock dining hall, Camp Jeffery shower facility, the pit toilets throughout the camp, and four septic systems located in the general vicinity of the treatment facility. The treatment process proposed is an extended aeration plant and separate aerated septage-receiving tank. It will include an influent lift station, equalization zone, anoxic zone, aeration basin, recycle system, clarification, sludge holding and digestion, chlorine disinfection, and discharge to subsurface infiltration gallery. Construction is planned for August and September 2011.