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## *Innovative Onsite Wastewater Products and Services*

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# Magic Sky Girl Scout Ranch

*Red Feather Lakes, Colorado*

## Project Summary:

**Installation / Start-up Date:** January 2007

**Description:** Effluent Sewer and AdvanTex<sup>®</sup> System

**Design Flow:** 20,000 GPD

**Project Engineer:** CHURCH OWC, Inc.

**Installer:** SRC Enterprises, Inc.

**Operator:** Alberts Water and Wastewater Services

**Permitting Authority:** CO Dept. of Health



## System Summary:

**Installation / Start-up Date:** January 2007

### **Collection System:**

- Small diameter effluent sewer with 13 Septic Tank Effluent Pumping (STEP) system connections.

### **Treatment System:**

- 30,000-gallon Xerxes<sup>®</sup> septic/anoxic tank
- 20,000-gallon Xerxes<sup>®</sup> recirculation tank
- Eight AX100 AdvanTex<sup>®</sup> Filters
- 1,500-gallon precast concrete dosing tank
- Two Sanitron<sup>™</sup> UV disinfection lights
- Orenco<sup>®</sup> TCOM telemetry system includes -
  - Siemens magmeters
  - Temperature probe
  - pH probe
  - fan/heater control

### **Dispersal System:**

- Surface Discharge to South Lone Pine Creek



*Alternative  
Wastewater  
Systems*

*Product  
Distribution*

*Product  
Support*

*Installation  
Assistance*

*Onsite  
Management  
Services*

*Maintenance  
Contracts*

*Effluent  
Sampling*

*Dedicated to Improving the Performance of Onsite Wastewater Systems*