

Lost Creek Dairy

Resource Recovery | Renewable Energy



Approximately 442 dekatherms/day of renewable natural gas is produced and recovered from the enhanced micro hydrolysis and thermophilic anaerobic digester complex. The project is sized to process approximately 100,000 gallons/day of dairy manure (from 8,300 cows), which will destroy over 63,000 lbs/day of volatile solids in the enhanced digestion process. Digested dairy manure is recovered and dewatered to 20% solids content to be used as a soil amendment.

Location: Roggen, CO
Dates: Current
Capacity: 8,300 cows consisting of 5,500 Holstein milking cows, 700 dry cows, and 2,100 heifer cows.
Cost: Construction: \$25M

Features

- ✓ Anaerobic Digesters
- ✓ Enhanced Micro Hydrolysis Reactors
- ✓ Solids Separation
- ✓ Dewatering
- ✓ Cavitator
- ✓ Heat Exchangers
- ✓ Tank Mixing
- ✓ Gas Upgrading



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