

CV Composter™

Biosolids Composting

CUSTOMER PROFILE

Town of Gypsum, CO – Biosolids Composting Facility



CLIENT NEEDS

The Town of Gypsum decommissioned their sludge lagoons. To process their biosolids they chose in-vessel composting. They needed a system that could:

- Reliably meet pathogen and vector reduction goals.
- Control odors.
- Produce Class A Compost
- Operate in cold weather climates, and
- Expand for growth

THE SOLUTION

Gypsum chooses the CV Composter™, initially purchasing three vessels, with pre-planned expansion for five more. Pathogen reduction and primary stabilization for Class A Compost occurs during a 16-day in-vessel retention. The compost is then transferred to turned-windrows for final stabilization.

The compost site is sensitive to odors. Residential housing is within several hundred feet of the composting site. The ECS in-vessel system does not allow fugitive air emissions. The aeration design “recycles” as much as 80% of the in-vessel process air. Process air that is exhausted from the system is sent to a site built biofilter for treatment.

Gypsum will reclaim as much as 50% of their woody bulking amendment using an ECS supplied live-bottom loading hopper, trommel screen and radial stacking conveyor.

