

## CV Composter™

### Biosolids Composting

#### CUSTOMER PROFILE

Omak, Washington Wastewater Treatment Facility



#### CLIENT NEEDS

The City of Omak faced several challenges planning a wastewater facility upgrade:

- Seasonal limitations on land application meant increased costs for digester storage;
- Purchasing and maintaining land application sites was difficult and costly;
- Long term viability of land applying Class B biosolids was uncertain; and,
- Open-air composting was unacceptable because of dry summers, cold winters, and odor sensitivity.

#### THE SOLUTION

Omak's engineer determined the CV Composter™ in-vessel system would be more economical to install and operate than building large digesters and the five months worth of storage capacity required for land application. The ECS' system resolved operational issues concerning odors, material drying and freezing. Labor requirements are minimized with the system's integrated equipment for one-step vessel loading, no-turning requirements, automated monitoring and compliance report generation.

ECS installed a six vessel CV Composter™ at the town's existing treatment plant to compost about 3,100 tons of dewatered biosolids (bulking with ground wood waste) per year. The aeration and control systems are designed to allow for future expansion to eight vessels. The system is integrated with the treatment facility's existing equipment for efficient operation and to reduce worker exposure to potentially pathogenic materials.

The Omak WWTF is producing EPA Class A compost that is suitable for unrestricted use. The compost is in demand by local gardeners and orchardists who are working with the area's sandy, and organic-poor soils.