

Environmental & Economic Advantages

The demonstration project will include extensive field monitoring and sampling from the offset monitoring wells to quantify slurry placement, biodegradation rates, carbon dioxide and methane separation, carbon dioxide sequestration and saturation in formation brine, and free gas migration and production. This technology provides the following environmental and economic benefits:

- Enhanced treatment and sterilization of biosolids
- Provides a local solution for biosolids management
- Reduced greenhouse gas emissions to the atmosphere
- Enhances Thermal Treatment and Sterilization
- Improves Groundwater Protection
- Provides Clean Renewable Energy Source of about 3.5 megawatts
- Reduces transportation cost for hauling biosolids by \$1.6 million per year
- Reduces CO₂ Emissions to Atmosphere