

Compost Facility located in the Mountain West

Customer:

This 3.5 acre compost facility is located in the mountain west region of the U.S., where they process roughly 20,000 tons of green waste per year. Phase 1 of the composting facility incorporated 18 aerated static piles, which were monitored wirelessly by REOTEMP EcoProbes. The temperature information was funneled into the PLC where it was used to control the facility's aeration blowers.

Project Overview:

- 18 wireless EcoProbes
- 1 Receiver Antenna
- 1 Receiver
- PLC-Based System
- Modbus Communication Protocol
- Temperatures used to control blowers

EcoProbes



Control Building



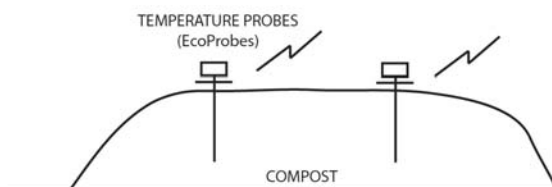
Receiver Antenna



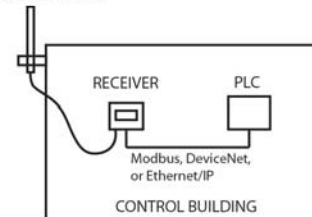
Receiver



PLC-Based System



RECEIVER ANTENNA



Results/Benefits of a Wireless Solution:

- Improved process control & management
- Reduced processing time
- Reduced labor costs and human error
- Accurate, timely temperature data
- Low maintenance costs