FIRST SUCCESSFUL POULTRY WASTE PILOT PROJECT IN US

"Ecoremedy's proven performance at Tyson Foods' facility during all seasons of the year validates the technology... As an expert in biomass gasification, I am pleased to offer my endorsement of the Ecoremedy technology."

– Dave Sharpe, Principal, Boiler and Steam Systems, LLC

CHALLENGES

In 2008, Tyson Foods sought to reduce energy usage and better manage large volumes of organic wastes from one of its feed mills in Georgia.

OUR SOLUTION

A first-of-its-kind steam plant (110 psig) fueled solely by chicken litter, chicken mortality, spoiled feed, ingredient bags, and plant refuse, producing nutrient-rich ash as a by-product.

OVERVIEW

In the winter of 2008, the predecessor to Ecoremedy®, rem Engineering, Inc., deployed the Ecoremedy® advanced gasification technology for a one-year pilot project at Tyson Foods' Bolivar Feed Mill.

The project significantly exceeded all design criteria and achieved nearly 100% uptime after commissioning with a single operator.

The recovered nutrients were collected in super sacks and sold to soybean farmers who requested to purchase all their nutrients from Ecoremedy® gasification facilities.

ECOREMEDY® IMPACT

This Ecoremedy project has the annual capacity to convert 5,750 wet tons of Tyson's waste to:

- 7.5 Million Btus per hour of renewable thermal energy, replacing 641,470 gallons of propane
- 20,800 tons of steam for process needs at 110 psig with no fossil fuel
- 865 tons of concentrated nutrients created, avoiding 201 tons of nitrogen runoff and 215 tons of phosphorous runoff