

## R&D FACILITY ACHIEVES MANY FIRSTS FOR GASIFICATION



“I have experienced many pyrolysis processes in my 50 years of professional experience, and I believe your Ecoremedy® technology has the best handle on it.”

- Walter Smith, Author of EPA methods 1-8 and the F-factors, industry consultant

### CHALLENGES

In 2010, commercial biomass gasification was restricted to fuels like wood chips with narrow tolerances for ash, moisture content, and uniformity.

### OUR SOLUTION

Five years of R&D to push the boundaries of advanced gasification technology using a mobile unit housed on the campus of Harrisburg Area Community College.

### OVERVIEW

After early success with the Tyson Foods pilot project, Ecoremedy founder Dave Mooney subsequently proved that gasification was possible for a much wider range of feedstocks than previously thought.

Mooney also developed techniques to optimize the nutrient ash to reduce runoff and increase availability to crops.

This facility achieved a major milestone for the biomass industry: the capability to transform irregular non-traditional organic waste streams with high moisture- and ash-content into renewable biomass fuel and concentrated nutrients.

### ECOREMEDY® CAN PROCESS A WIDE RANGE OF FEEDSTOCKS

Wastewater sludge  
Digester solids  
Fats, Oils, and Greases (FOG)  
Poultry litter (numerous types)  
Spent mushroom substrate

Corn stover and stalks  
Distillers grains  
Grasses  
Industrial DAF sludge  
Pallets

Cardboard  
Shredded paper  
Ingredient bags  
Food waste  
Wood waste