



# Project Liberty

## Cooperative Research and Development Final Report

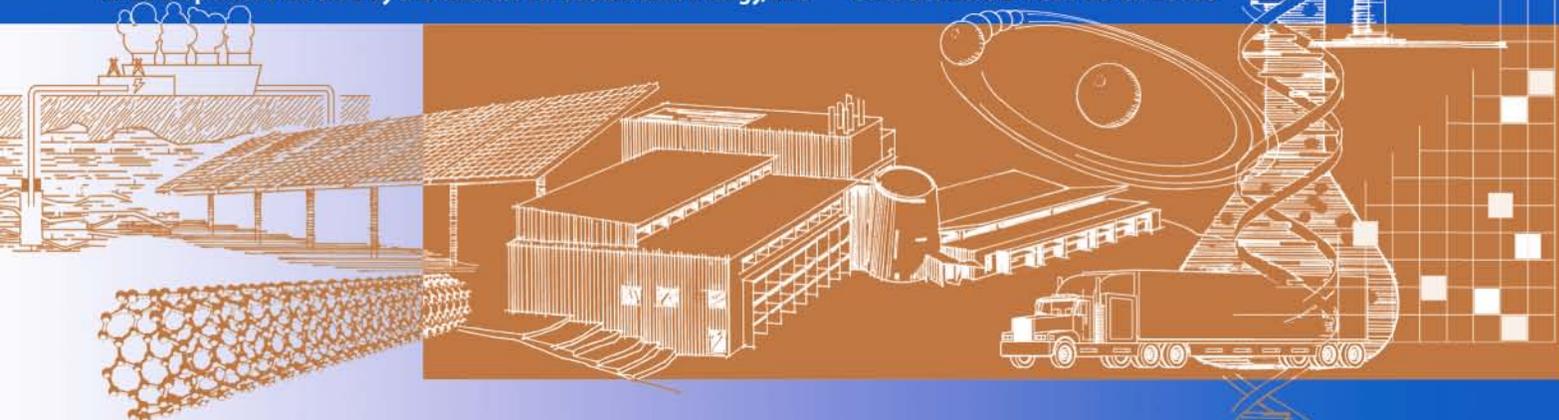
**CRADA Number: CRD-07-00245**

NREL Technical Contact: Edward J. Wolfrum

**CRADA Report**  
**NREL/TP-7A1-48424**  
**August 2010**

NREL is operated for DOE by the Alliance for Sustainable Energy, LLC

Contract No. DE-AC36-08-GO28308



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In accordance with Requirements set forth in Article XI.A(3) of the CRADA document, this document is the final CRADA report, including a list of Subject Inventions, to be forwarded to the Office of Science and Technical Information as part of the commitment to the public to demonstrate results of federally funded research.

CRADA number: CRD-07-00245

CRADA Title: Project Liberty

Parties to the Agreement: POET, LLC + NREL

Joint Work Statement Funding Table showing DOE commitment:

Estimated Costs	<i>NREL</i> Shared Resources
Year 1	\$ 91,755
Year 2	\$ 52,600
Year 3	\$ 00.00
TOTALS	\$ 144,355

Abstract of CRADA work:

NREL is a sub-contractor to POET Research, Inc. who in turn is a sub-contractor to POET Project Liberty, LLC. POET Project Liberty, LLC is the applicant to Award DE-FC36-07GO17026 to design and construct a cellulosic ethanol biorefinery. NREL's contributed scope of work as defined in the CRADA is:

- **HPLC Method Development**
- **Wet Chemical Methods Training**
- **Wet Chemical Analysis**
- 

The intent of this CRADA is to support the POET Project Liberty and does not include any NIR development. Any modifications to this Joint Work Statement, other than no cost time extension or adding additional funding to complete the existing Joint Work Statement, will require a new CRADA with new IP terms and conditions.

Summary of Research Results:

NREL hosted two teams of POET Project Liberty analysts for week-long biomass compositional analysis (wet chemical analysis) classes (one in 2008, one in 2009). NREL also performed biomass compositional on over 70 samples of corn stover feedstock and pretreated corn stover provided by POET.

Subject Inventions listing: None.

Report Date: 4/30/10      Responsible Technical Contact at Alliance/NREL: Wolfrum, Edward J.

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