Department of Energy
Idaho Operations Office
1955 Fremont Avenue
Idaho Falls, Idaho 83415-1225

July 28, 2006

Ms. Leslie A. Roberts, CRADA Administrator
Technology Outreach
Battelle Energy Alliance
P.O. Box 1625
Idaho Falls, ID 83415-3805

SUBJECT: CRADA No. 06-CR-14 (R&D-NS-06-026)

Dear Ms. Roberts:

DOE-ID personnel have reviewed the CRADA 06-CR-14 with Baard Energy, LLC and it is approved. Should you have any questions, please contact C. Brooks Weingartner at (208) 526-1366 or Dolores Ferri at (208) 526-1478.

Sincerely,

Michael L. Adams

Michael L. Adams, Contracting Officer
Contract Management Division

C DA APPROVAL DOCUMENT - CRADA NO. 0 -14
Baard Energy, LLC

Coal-to-Liquids Modeling and Gas Separations Technology Work

DOE-ID PROGRAM OFFICER (S):	Brooks Weingartner, 6-1366	
B&R CODE (S)/PROGRAM OFFICE AND/OR LDRD PROJECT NUMBER:	B&R Code _____ $ _____ LDRD Project Number _____ $ _____	
COST DATA- FUNDS-IN:	Direct and Allocable Cost	$ 458,431.14
	Safeguard and Security Charge	$ 13,752.93
	Federal Administrative Charge	$ 14,165.52
	Full Cost	$ 486,349.59
(applicable to FAC waiver request only)	Amount Requested for Waiver	$ 0.00
(applicable to FAC waiver request only)	Adjusted Full Cost	$ 486,349.59
TERM/SCHEDULED COMPLETION:	24 Months, July 31, 2008	
INL PRINCIPAL INVESTIGATOR(s):	Richard Boardman, 6-3083	
PROGRAM CONTROL REPRESENTATIVE:	Helen Guymon, 6-0344	
PARTICIPANT:	John A. Baardson, CEO Baard Energy, LLC 9013 ND Highway 99, Suite "S" Vancouver, WA 98665 E-Mail: jbaardson@baardenergy.com Telephone: (360) 546-2342, Ext. 304 Facsimile: (360) 574-2795	

OSTI ABSTRACT:

The Contractor and the Participant will collaborate in developing a steady-state Aspen Plus process modeling software. The code will include a modular construct that will address various components of an energy process. The Contractor and the Participant will also investigate the feasibility of using the same Contractor developed technology for enhancing the economics of an Fischer-Tropsh (FT) plant.

Benefits to DOE Programs

DOE Major Thrust Areas - Identify one or more technological thrust areas for this JWS/CRADA:

[ ] Advanced Manufacturing & Precision Engineering
[ ] High Performance Computing and Communications
[X] Energy & Environment
[ ] Materials & Processes for Manufacturing
[ ] High Energy and Nuclear Physics
[ ] Bioscience and Biotechnology
[ ] Other (Identify)

Technology - Select one or more of the following:

[X] adds a new capability to the laboratory's core competencies,
[X] enhances the laboratory's core competencies, or
[X] "uses" the laboratory's core competencies.

Industry Teams - Select one or more of the following:

[ ] Biotechnology
[ ] Manufacturing
[ ] BNCT
[ ] Nuclear
[ ] Transportation
[ ] Software
[X] Chemical
[X] Natural Resources
[ ] Industrial Ecology
[X] Instrumentation
[ ] Law Enforcement
[ ] Mining
[X] Environmental
[ ] Agriculture
[ ] Other (identify)

Explain benefits to DOE Programs. If DP (TTI) funded, please be specific in terms of benefits to the weapons program. Cite DOE Programs where applicable.

Business Type - check ALL that apply:

[ ] Small Business
[ ] Medium Business
[ ] Consortium (explain)
[ ] University/Institute
[ ] Minority-owned
[ ] Woman-owned

[X] Large Business [ ] Non- Profit [ ] Other (identify)

Location of Work Being Performed - if work is performed both in-town and on-site, identify where the majority of work will be performed.

[X] In-town IRC and EROB.
[ ] On-site (identify)_____
[ ] Other (identify)_____

Benefits to Participant(s), Industry, Taxpayer

The participant will gain a better understanding of FT processes and possibly develop a FT process that has increased economic viability. Industry will benefit from a better understanding of FT process and further development. This may ultimately lead to less expensive alternatives to liquid fuels. The taxpayer will benefit because the work enhances technology related to the production of synthetic fuels, reducing costs of transportation and home heating. All will benefit, as synthetic fuels allow for independence on foreign oil.

SUPPLEMENTARY INFORMATION/ITTS (OSTI) CHECKLIST

Identify approximate date focused TT&C negotiations began. 06 01, 2006
(month) (day) (year)

Will classified or sensitive information be used or produced?

[ ] Yes (explain) [X] No

Will export controlled information be used or produced?

[ ] Yes (identify) [X] No

Was fairness of opportunity addressed?

[X] Yes (describe) [ ] No

The participant brought the problem to the laboratory.

Will there be research involving human and animal subjects?

[ ] Yes (explain) [X] No

If the answer to the previous question is "Yes," has the Institutional Review Board's approval been obtained?

[ ] Yes [ ] No (explain)

Have all necessary Environmental, Safety, Health, and Quality reviews have been satisfactorily completed?

[X] Yes [ ] No (explain)

Are there any organizational or personal conflict of interest issues associated with this CRADA?

[ ] Yes (explain) [X] No (explain)

CRADA file documentation contains an executed "Technology Transfer Conflict of Interest (TT-COI) Review and Certification" form on each employee of the laboratory team negotiating this CRADA or having a controlling interest in the program. No issues were noted.

Participant has been notified of the range of other technology transfer tools.

[X] Yes [ ] No

INL STANDARD CRADA DOCUMENT CHANGES:

1. ATTACHED