Document	Date	Description	Reason INL is holding Document	Confidential/Proprietary Marking Status	INL Action under FOIA
Baard Energy Meeting Summary Notes Compiled by R. Boardman	May 11, 2006	Initial meeting at INL to discuss Baard and INL CRADA interests; Notes frames potential work to be performed by INL for Baard Energy	Records copy	Yes, identified as confidential under NDA 06-ND-0040	**Provided**, NDA expired 4/21/2009
Baard Energy Request for Information: Synthetic Fuel Reference Number: DESCBCRFI001 NAICS Code: 32411 MFR/424720 DLR	07/29/2006	Baard response to the subject Request for Information published by the Defense Energy Support Center Defense Logistics Agency, Logistics Operations, Defense Energy Support Center, Fort Belvoir, VA	Contains letters of support provided by INL to Baard Energy, Contains INL provided information generated by INL-Baard CRADA No. 06-CR-14)	All pages are marked as: "All information contained herein is considered Proprietary to Baard Energy, L.L.C."	**Not provided**. Document dissemination is responsibility Baard Energy or Office of Defense Logistics Agency
Aspen process model output results, case study summaries, Word documents, Excel documents, Power Point Presentation, and email communications; including oral discussions with Uhde and other technology providers to the ORCF project	09/07 – 12/07	Discuss preliminary results obtained from INL-Baard CRADA studies	CRADA	Yes, identified as confidential under NDA 06-ND-0040; Also contains third party proprietary information to Baard Energy and others, including Uhde, B&V, and Syntroleum.	**Not provided.**
Uhde CTL Design Basis Prepared for Baard Energy	Dated 12/19/2006; Provided approx. 01/26/07	Key project technical design documentation provided by Uhde to Baard Energy. Contains Baard Energy and third-party proprietary	Information used to support plant modeling for ORCF project	Document is marked copyright by Uhde as follows: *"Copyright of this document and giving it to others and the use or*	**Original document and derivative documents Not provided.**

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		information		*communication of the contents thereof are forbidden without express authority by UHDE. Offenders are liable to the payment of damages. All rights reserved in the event of the grant of a patent or the registration of a utility model or design."*	
Application to U.S. DOE Loan Guarantee Program Office; OMB Control Number 1910-5129	12/28/2006	Baard response to the subject Request for Information published by the Defense Energy Support Center.	Contains letters of support provided by INL to Baard Energy, Contains INL provided information generated by INL-Baard CRADA No. 06-CR-14)	Transmitted under CRADA confidentiality agreement between INL; Contains Baard Energy business sensitive information; Document is protected from dissemination by DOE Loan Guarantee Office	Not provided. Document dissemination is responsibility of Baard Energy and/or DOE Loan Guarantee Office; INL protects private company proprietary information
Meeting notes; ORCF Project meeting at Amec Paragon Offices in Houston, TX	02/19/07	ORCF project design, permitting discussions with EPC and technology providers. INL role to supply models to AMEC-Paragon for design	Reference, notes in research journal	07-ND-0006;	**Not Provided.**
Folder of documents containing reports and materials used to compute initial Greenhouse	02/27/2007	Contains Baard Proprietary data used for calculating plant	Reference purposes	07-ND-0006	**Calculation sheets not provided** **Publically available**

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Gas Emissions Calculations using INL-Baard process model for case studies with biomass.		conversion emissions; Greet Model NETL publically available Reports NREL Publically available reports Argonne National Lab publically available reports			**reports not provided.**
ORCF Model Cases Studies Completed by INL and transmitted to Baard Energy under email;	4/12/2007-email from Rick Wood	Multiple cases including biomass combinations	Reference purposes	07-ND-0006	**Not Provided.**
ORCF Project Design Review Meeting, Meeting Notes, Project Design, emissions discussions relative to preparation of air permit.	Approx. 5/17/2007	Includes Tables, charts, Aspen Model Flow Diagrams, Block Flow Diagrams, Case summaries, and detailed flowsheet material and energy balance information	Reference purposes	Subject to 07-ND-0006	**Not Provided.**
ORCF – Stream, CW, and Overall Water Balances	7/09/2007	Data transmitted to INL from Amec Paragon to support Water Permit stream composition material balance calculations	Reference purposes	Subject to 07-ND-0006, marked proprietary; Includes third party proprietary information. subject to protection;	**Not Provided.**
ORFC CTL Preliminary draft; Permit to Install, Module 6 of 12; Including NPDES Application	09/2007	Attachments Includes STL River Data for Ohio River and Buckeye River		Yes, marked and identified as containing protected information	**Not Provided.**

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Forms					
ORCF Project Process Model and Greenhouse Gas Emissions Calculations; Interim Report to Baard Energy INL/EXT-07-12894	08/2007	Contains technical description of INL-Baard CTL model and with process model discussion and plant material and energy balances supporting project permitting	Contains INL-Baard CRADA information as well and Baard proprietary information	Yes, Report marked containing Proprietary Information;	**Not Provided**
Coal-to-Fuel Plant Simulation Studies for Optimal Performance and Carbon Management	09/2007	24th Annual International Pittsburgh Coal Conference Johannesburg, South Africa September 10-14, 2007 Program Topic 8: Coal Derived Synthesis of Liquid Fuel	Co-Author of Technical Paper	None	**Provided**
Email and attachments of NPDES and reviews by AMEC Paragon, CEC: Process Stem/condensate System Gas Turbine & Heat Recovery System	9/12/2007	Technical review and comments on permit application calculations and materials		AMEC email contain confidential indicators that email and attachments may contain confidential and/or privileged information and may not be disclosed, disseminate, copied, or printed.	

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Cooling Water System Overall Material Balance					
Water balance and species concentrations calculations sheets for ORCF project and related email	Approx. 08/07 – 10/07	Contains detailed spreedsheets for the ORCF project including Baard proprietary data and third party proprietary data	For ongoing support of Baard Energy projects, including work	Data extracted from documents and email marked containing protected information; Contains third party proprietary information to Baard Energy and others, including Uhde, B&V, and Syntroleum.	**Not Provided.**
Preliminary Draft, Ohio River Clean Fuels, LLC. Coal to Liquids Fuel Facility, Wellsville, Columbiana, County, Ohio, Ohio Environmental Protection Agency Permit to Install Application	09/07	Various Modules of permit	INL review, retained in project files for reference	Yes, 07-ND-0006; Also contains third party proprietary information to Baard Energy and others, including Uhde, B&V, and Syntroleum.	**Not Provided.**
ORCF BACT Analysis email and Work documents	Approx. 09/2007 – 12/2007	Contains narrative and discussions pertaining to BACT analysis	Reference purposes	Files contain proprietary data pertaining to the OFCF plant information is protected.	**Not provided.**
CRADA Technical Note **Date**: January 21, 2008 **Subject**: Rectisol Removal and Recovery of CO_2 **Author**: Richard D. Boardman, INL	01/21/2008	Technical description of unit operations for CO_2 removal	Contains CRADA protected information	This technical note contains proprietary information furnished by the Idaho National Laboratory to Baard Energy, LLC. Disclosure	**Not Provided.**

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				is not authorized without prior approval of the INL and Baard Energy, LLC in accordance with Nondisclosure Agreement 06-ND-0040, effective April 21, 2006.	
Various Word Documents and email; Baard Gasification Questions from Beck 1-22-08	Approx. 1/22/2008	Technical questions directed to INL with regard to plant design	Contains CRADA protected information, Baard proprietary information, and third party protected information	Yes	**Not Provided.**
Statement of Project Objective: Ohio River Clean Fuels CO_2 Production & Emissions Study (OH) and budget projection files	6/20/2008 (file stamp date)	Draft Statement of Work provided to Baard Energy for Congressional Line Item Project to Study GHG emissions and CO2 management	Reference document for project manager; Relative to DE-FC26-08NT0005115	None; related internal cost projects contain INL sensitive information	**SOW Provided** **Budget sheets not provided.**
Independent air emissions calculations; email, calculations sheets, analyses, and comments provided by Rick Wood to Baard Energy / CEC-mainly relative to BACT sulfur emissions analysis	Approx. 05/2008 – 07/2008	Pertaining to air emissions permit application; in response to public comment to air permit, including; ORCF including ORCF mercury balance assessment	Reference purposes	07-ND-0006; Email marked with as pertaining to confidential information	**Not Provided.**
CO2 Emissions Analysis (LCA); several Email; model output summaries, Excel spreadsheets,	Approx. 02/01/2009 – 01/05/2010	Discussions and directed calculations to support life-cycle greenhouse gas	DOE – Field Work Proposal Project under Agreement DE-FC26-	07-ND-0006; Email marked with as	**Not Provided.** May request quarterly reports from DOE-NETL

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		emissions for Baard Line Item report	08NT0005115; currently in progress; INL reporting to Baard Energy	pertaining to confidential information	
Various email and Work documents; Baard Energy NRDC Response to questions	Approx. 07/09	Contains technical calculations, analysis, and discussion pertaining to ORCF plant CO2 emissions and LCA analyses	Information is relevant to DOE Field Work Proposal supporting Baard CO2 emissions studies	Email communication indicate information is confidential. Files contain Baard Proprietary information and CRADA protected information	**Not provided.**
INL Invention Disclosure Request	11/16/2009	Document containing CRADA inventions relevant to reducing CO2 emissions from ORCF project.	CRADA related outcome	Yes, INL and Baard CRADA protected information.	**Not provided.**
Aspen process model output results, case study summaries, Word documents, Excel documents, Power Point Presentation, and email communications; including oral discussions with Uhde and other technology providers to the ORCF project	02/2007 – 01/2010	Aspen modeling and output results supporting ORCF Project Process Development, permitting, and GHG emissions calculations	Technical reference	Yes, under 07-ND-006; Also contains third party proprietary information to Baard Energy and others, including Uhde, B&V, and Syntroleum.	**Not provided.**
List of Email Provided, not subject to 07-ND-006 of, 06-ND-0084, 06-ND-0040					