



Department of Energy

Golden Field Office
1617 Cole Boulevard
Golden, Colorado 80401-3305

March 17, 2009

Mr. W.S. Glover
Deputy Laboratory Director
And Chief Operating Officer
National Renewable Energy Laboratory
1617 Cole Boulevard
Golden, CO 80401

SUBJECT: CONTRACT NO. DE-AC36-08GO28308 – Modification No. M026

Dear Mr. Glover:

Enclosed is one original of the subject modification, M026, which has been fully executed. This modification incorporates changes to Section H and Section J.

Should you have any questions, please feel free to contact me at (303) 275-4724.

Sincerely,

A handwritten signature in cursive script that reads "Steven L. Scott".

Steven L. Scott
Contracting Officer



2. AMENDMENT/MODIFICATION NO. M026	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)
6. ISSUED BY Golden Field Office U.S. Department of Energy 1617 Cole Blvd. Golden, CO 80401	CODE	7. ADMINISTERED BY (If other than Item 6) Golden Field Office U.S. Department of Energy 1617 Cole Blvd. Golden, CO 80401	CODE

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) Alliance for Sustainable Energy, LLC Denver West Building No. 51 Denver West Parkway, Suite 335 Lakewood, CO 80401	()	9A. AMENDMENT OF SOLICITATION NO.
	()	9B. DATED (SEE ITEM 11)
	(X)	10A. MODIFICATION OF CONTRACT/ORDER NO. DE-AC36-08GO28308
		10B. DATED (SEE ITEM 13) 7/29/2008
CODE	FACILITY CODE	

11. THIS ITEM APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods:
 (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

()	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority)
()	THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT/ORDER NO. IN ITEM 10A.
(X)	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
()	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
()	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return 2 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
This modification M026 adds, deletes or revises the following terms and conditions:

- Clause H.35 Special Provisions Relating to Work Funded Under American Recovery and Reinvestment Act of 2009 (Feb 2009) is added.
- DOE Orders, Notices and Manuals are added or deleted from Section J, Attachment F, OPERATING AND ADMINISTRATIVE REQUIREMENTS (LIST B).

15A. NAME AND TITLE OF SIGNER (Type or print) <i>W.S. GLOVEK</i>	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Steven L. Scott Contracting Officer
15B. CONTRACT/OFFEROR BY <i>W.S. Glovek</i> (Signature of person authorized to sign)	15C. DATE SIGNED <i>3/16/09</i>
16B. UNITED STATES OF AMERICA BY <i>Steven L. Scott</i> (Signature of Contracting Officer)	16C. DATE SIGNED <i>3/17/09</i>

This Modification incorporates the following significant changes to contract DE-AC36-08GO28308:

I. Clause H.35 Special Provisions Relating to Work Funded Under American Recovery and Reinvestment Act of 2009 (Feb 2009) is added to the Contract

H.35 Special Provisions Relating to Work Funded Under American Recovery and Reinvestment Act of 2009 (Feb 2009)

Preamble:

Work performed under this contract will be funded, in whole or in part, with funds appropriated by the American Recovery and Reinvestment Act of 2009, Pub. L. 111-5, (Recovery Act or Act). The Recovery Act's purposes are to stimulate the economy and to create and retain jobs. The Act gives preference to activities that can be started and completed expeditiously, including a goal of using at least 50 percent of the funds made available by it for activities that can be initiated not later than June 17, 2009.

Contractors should begin planning activities for their first tier subcontractors, including obtaining a DUNS number (or updating the existing DUNS record), and registering with the Central Contractor Registration (CCR).

Be advised that Recovery Act funds can be used in conjunction with other funding as necessary to complete projects, but tracking and reporting must be separate to meet the reporting requirements of the Recovery Act and related Guidance. For projects funded by sources other than the Recovery Act, Contractors should plan to keep separate records for Recovery Act funds and to ensure those records comply with the requirements of the Act.

The Government has not fully developed the implementing instructions of the Recovery Act, particularly concerning the how and where for the new reporting requirements. The Contractor will be provided these details as they become available. The Contractor must comply with all requirements of the Act. If the contractor believes there is any inconsistency between ARRA requirements and current contract requirements, the issues will be referred to the Contracting Officer for reconciliation.

Be advised that special provisions may apply to projects funded by the Act relating to:

- Reporting, tracking and segregation of incurred costs;
- Reporting on job creation and preservation;
- Publication of information on the Internet;
- Protecting whistleblowers; and
- Requiring prompt referral of evidence of a false claim to the inspector general.

Definitions:

For purposes of this clause, "Covered Funds" means funds expended or obligated from appropriations under the American Recovery and Reinvestment Act of 2009, Pub. L. 111-5. Covered Funds will have special accounting codes and will be identified as Recovery Act funds in the contract and/or modification using Recovery Act funds. Covered Funds must be reimbursed by September 30, 2015.

Non-Federal employer means any employer with respect to Covered Funds – the contractor or subcontractor, as the case may be, if the contractor or subcontractor is an employer; and any professional membership organization, certification of other professional body, any agent or licensee of the Federal government, or any person acting directly or indirectly in the interest of an employer receiving Covered Funds; or with respect to Covered Funds received by a State or local government, the State or local government receiving the funds and any contractor or subcontractor receiving the funds and any contractor or subcontractor of the State or local government; and does not mean any department, agency, or other entity of the federal government.

A. Flow Down Provision

Contractors must include this clause in every subcontract over \$25,000 that is funded, in whole or in part, by the Recovery Act unless the subcontract is with an individual.

B. Segregation and Payment of Costs

Contractor must segregate the obligations and expenditures related to funding under the Recovery Act. Financial and accounting systems should be revised as necessary to segregate, track and maintain these funds apart and separate from other revenue streams. No part of the funds from the Recovery Act shall be commingled with any other funds or used for a purpose other than that of making payments for costs allowable for Recovery Act projects. Recovery

Act funds can be used in conjunction with other funding as necessary to complete projects, but tracking and reporting must be separate to meet the reporting requirements of the Recovery Act and OMB Guidance. Invoices must clearly indicate the portion of the requested payment that is for work funded by the Recovery Act.

C. Prohibition on Use of Funds

None of the funds provided under this agreement derived from the American Recovery and Reinvestment Act of 2009, Pub. L. 111-5, may be for any casino or other gambling establishment, aquarium, zoo, golf course, or swimming pool.

D. Wage Rates

All laborers and mechanics employed by contractors and subcontractors on projects funded directly by or assisted in whole or in part by and through the Federal Government pursuant to the American Recovery and Reinvestment Act of 2009, Pub. L. 111-5, shall be paid wages at rates not less than those prevailing on projects of a character similar in the locality as determined by the Secretary of Labor in accordance with subchapter IV of chapter 31 of title 40, United States Code. With respect to the labor standards specified in this section, the Secretary of Labor shall have the authority and functions set forth in Reorganization Plan numbered 14 of 1950 (64 Stat. 1267, 5 U.S.C. App.) and section 3145 of title 40 United States Code. See <http://www.dol.gov/esa/whd/contracts/dbra.htm>.

E. Publication

Information about this agreement will be published on the Internet and linked to the website www.recovery.gov, maintained by the Accountability and Transparency Board. The Board may exclude posting contractual or other information on the website on a case-by-case basis when necessary to protect national security or to protect information that is not subject to disclosure under sections 552 and 552a of title 5, United States Code.

F. Registration requirements

Contractor shall ensure that all first-tier subcontractors have a DUNS number and are registered in the Central Contractor Registration (CCR) no later than the date the first report is due under paragraph H below.

G. Utilization of Small Business

Contractor shall to the maximum extent practicable give a preference to small business in the award of subcontracts for projects funded by Recovery Act dollars.

Note: The following paragraphs, H, I, and J, are in effect until the FAR is modified to implement these provisions of the Recovery Act. The Contractor agrees that the Contracting Officer may unilaterally modify the contract to incorporate the FAR clauses that implement the Recovery Act. The following paragraphs will no longer be valid and the contract will be considered modified to add the new FAR provisions and clauses in Section I.

H. American Recovery and Reinvestment Act-Reporting Requirements

(a) Definitions. As used in this clause -

"First-tier Subcontract" means a subcontract awarded directly by a Federal government prime contractor funded by the Recovery Act.

"Jobs Created" means an estimate of those new positions created and filled, or previously existing unfilled positions that are filled, as a result of funding by the American Recovery and Reinvestment Act (ARRA). This definition covers only positions established in the United States and outlying areas (see definition in FAR 2.101.) The number shall be expressed as "full-time equivalent" which shall include full-time, part-time, temporary, permanent, positions as expressed as a "person-year," consistent with the contractor's existing personnel procedures. This includes positions at the prime level, and the prime contractor's estimate of positions at the first subcontract tier.

"Jobs retained" means an estimate of those previously existing unfilled positions that are filled as a result of funding by the American Recovery and Reinvestment Act (ARRA). This definition covers only positions established in the United States and outlying areas (see definition in FAR 2.101.) The number shall be expressed as "full-time equivalent" which shall include full-time, part-time, temporary, permanent, positions as expressed as a "person-year," consistent with the contractor's existing personnel procedures. This includes positions at the prime level, and the prime contractor's estimate of positions at the first subcontract tier.

"Total Compensation" means the complete pay package of contractor employees, including all forms of money, benefits, services, and in-kind payments, consistent with the regulations of the Securities and Exchanges Commission at 17 CCR 229.402.

(b) This contract requires products and/or services which are funded under the American Recovery and Reinvestment Act of 2009 (Recovery Act). Section 1512(c) of the Recovery Act requires each contractor that receives contracts from a Federal agency under the Recovery Act to report on use of funds.

(c) Reporting starts with the later of the first calendar quarter in which the contractor invoices the Government for work funded by Recovery funds, or the second calendar quarter of 2009. Reporting is required not later than 10 days after the end of each calendar quarter. The Contractor shall report the following information, using the online reporting tool available at TBD. If the tool is not available when the contractor's report is due, the contractor shall

maintain the data necessary to report for that quarter when the tool becomes available or submit the report in hard or soft copy if required by the Contracting Officer.

- (1) the amount of recovery funds invoiced by the contractor, cumulative since the beginning of the contract;
- (2) a detailed list of all services performed or supplies delivered for which the contractor has invoiced, including –
 - (i) project title, if any;
 - (ii) a description of the project;
 - (iii) an assessment of the contractor's progress towards the completion of the requirements of the contract (i.e., not started, less than 50% completed, completed 50% or more, or fully completed). This covers the contract (or portion thereof) funded by the Recovery Act.
 - (iv) an estimate of the number of jobs created by the project, in the United States and outlying areas; and
 - (v) an estimate of the number of jobs retained by the project, in the United States and outlying areas. A job cannot be reported as both created and retained.
- (3) the Government contract number.
- (4) Names and total compensation of each of the five most highly compensated officers for the calendar year in which the contract is awarded if –
 - (i) in the Contractor's preceding fiscal year, the Contractor received--
 - (A) 80 percent or more of its annual gross revenues in Federal contracts (and subcontracts), loans, grants (and subgrants) and cooperative agreements; and
 - (B) \$25,000,000 or more in annual gross revenues from Federal contracts (and subcontracts), loans, grants (and subgrants) and cooperative agreements; and
 - (ii) the public does not have access to information about the compensation of the senior executives through periodic reports filed under section 13(a) or 15(d) of the Securities Exchange Act of 1934 (15 U.S.C. 78m(a), 78o(d)) or section 6104 of the Internal Revenue Code of 1986.
- (5) detailed information on any first-tier subcontract over \$25,000, where the subcontractor is not an individual, awarded by the contractor, funded under the Recovery Act, to include the following:
 - (i) Unique identifier (DUNS Number) for the subcontractor receiving the award and of the subcontractor's parent company, if any.
 - (ii) Name of the subcontractor.
 - (iii) Amount of the subcontract award.
 - (iv) Date of the subcontract award.
 - (v) The applicable North American Industry Classification System code.
 - (vi) Funding agency.
 - (vii) A description of the product or service to be provided under the subcontract.
 - (viii) Subcontract number (the contract number assigned by the prime contractor).
 - (ix) Subcontractor physical address including street address, city, state and nine-digit zip code and congressional district if in the United States.
 - (x) Subcontract primary performance location including street address, city, state and nine-digit zip code and congressional district if in the United States.
 - (xi) Names and total compensation of each of the five most highly compensated officers for the calendar year in which the subcontract is awarded if –
 - (i) entity in the subcontractor's preceding fiscal year, the subcontractor received --
 - (A) 80 percent or more of its annual gross revenues in Federal contracts (and subcontracts), loans, grants (and subgrants), and cooperative agreements; and
 - (B) \$25,000,000 or more in annual gross revenues from Federal contracts (and subcontracts), loans, grants (and subgrants), and cooperative agreements; and
 - (ii) the public does not have access to information about the compensation of the senior executives through periodic reports filed under section 13(a) or 15(d) of the Securities Exchange Act of 1934 (15 U.S.C. 78m(a), 78o(d)) or section 6104 of the Internal Revenue Code of 1986,

(Note: the information in paragraphs (i) through (x) are not required to be reported for any contractor or first-tier subcontractor whose gross income did not exceed \$300,000 in the previous tax year.)

- (6) For subcontracts under \$25,000 or any subcontracts awarded to an individual, the total number of subcontracts awarded in the quarter and their total dollar amount.

I. Audit and Records—Negotiation

- (a) As used in this clause, "records" includes books, documents, accounting procedures and practices, and other data, regardless of type and regardless of whether such items are in written form, in the form of computer data, or in any other form.

(b) Examination of costs. If this is a cost-reimbursement, incentive, time-and-materials, labor-hour, or price redeterminable contract, or any combination of these, the Contractor shall maintain and the Contracting Officer, or an authorized representative of the Contracting Officer, shall have the right to examine and audit all records and other evidence sufficient to

reflect properly all costs claimed to have been incurred or anticipated to be incurred directly or indirectly in performance of this contract. This right of examination shall include inspection at all reasonable times of the Contractor's plants, or parts of them, engaged in performing the contract.

(c) Cost or pricing data. If the Contractor has been required to submit cost or pricing data in connection with any pricing action relating to this contract, the Contracting Officer, or an authorized representative of the Contracting Officer, in order to evaluate the accuracy, completeness, and currency of the cost or pricing data, shall have the right to examine and audit all of the Contractor's records, including computations and projections, related to—

- (1) The proposal for the contract, subcontract, or modification;
- (2) The discussions conducted on the proposal(s), including those related to negotiating;
- (3) Pricing of the contract, subcontract, or modification; or
- (4) Performance of the contract, subcontract or modification.

(d) Comptroller General—

(1) The Comptroller General of the United States, or an authorized representative, shall have access to and the right to examine any of the Contractor's or any subcontractors' directly pertinent records involving transactions related to this contract or a subcontract hereunder and to interview any current employee regarding such transactions.

(2) This paragraph may not be construed to require the Contractor or subcontractor to create or maintain any record that the Contractor or subcontractor does not maintain in the ordinary course of business or pursuant to a provision of law.

(e) Reports. If the Contractor is required to furnish cost, funding, or performance reports, the Contracting Officer or an authorized representative of the Contracting Officer shall have the right to examine and audit the supporting records and materials, for the purpose of evaluating—

- (1) The effectiveness of the Contractor's policies and procedures to produce data compatible with the objectives of these reports; and
- (2) The data reported.

(f) Availability. The Contractor shall make available at its office at all reasonable times the records, materials, and other evidence described in paragraphs (a), (b), (c), (d), and (e) of this clause, for examination, audit, or reproduction, until 3 years after final payment under this contract or for any shorter period specified in Subpart 4.7, Contractor Records Retention, of the Federal Acquisition Regulation (FAR), or for any longer period required by statute or by other clauses of this contract. In addition—

- (1) If this contract is completely or partially terminated, the Contractor shall make available the records relating to the work terminated until 3 years after any resulting final termination settlement; and
- (2) The Contractor shall make available records relating to appeals under the Disputes clause or to litigation or the settlement of claims arising under or relating to this contract until such appeals, litigation, or claims are finally resolved.

(g) The Contractor shall insert a clause containing all the terms of this clause, including this paragraph (g), in all subcontracts under this contract that exceed the simplified acquisition threshold, and—

- (1) That are cost-reimbursement, incentive, time-and-materials, labor-hour, or price-redeterminable type or any combination of these;
- (2) For which cost or pricing data are required; or
- (3) That require the subcontractor to furnish reports as discussed in paragraph (e) of this clause.

The clause may be altered only as necessary to identify properly the contracting parties and the Contracting Officer under the Government prime contract.

J. Buy American

[When using funds appropriated under the American Recovery and Reinvestment Act for construction, use clauses 52.225-XX, 52.225-, 52.225-ZZ, or 52.225-.WW. Use 52.225-.XX and 52.225-YY for contracts for the construction, alteration, maintenance of a public building or public work performed in the United States under \$7,443,000 and 52.225-ZZ and 52.225-WW for contracts for the construction, alteration, maintenance of a public building or public work performed in the United States and over \$7,443,000.]

52.225-XX Required Use of American Iron, Steel, and Other Manufactured Goods and Buy American Act — Construction Materials.

(a) *Definitions.* As used in this clause—

"Construction material" means an article, material, or supply brought to the construction site by the Contractor or a subcontractor for incorporation into the building or work. The term also includes an item brought to the site preassembled from articles, materials, or supplies. However, emergency life safety systems, such as emergency lighting, fire alarm, and audio evacuation systems, that are discrete systems incorporated into a public building or work and that are produced as complete systems, are evaluated as a single and distinct construction material regardless of when or how the individual parts or components of those systems are delivered to the construction site. Materials purchased directly by the Government are supplies, not construction material.

"Domestic construction material" means—

- (1) An unmanufactured construction material mined or produced in the United States; or
- (2) A construction material manufactured in the United States.

"Foreign construction material" means a construction material other than a domestic construction material.

"Steel" means an alloy that includes at least 50 percent iron, between .02 and 2 percent carbon, and may include other elements.

"United States" means the 50 States, the District of Columbia, and outlying areas.

(b) *Domestic preference.*

(1) This clause implements—

- (i) Section 1605 of the American Recovery and Reinvestment Act (Pub. L. 111-5,) by requiring that all iron, steel, and other manufactured goods used as construction material in the project are produced in the United States; and
- (ii) The Buy American Act (41 U.S.C. 10a - 10d) by providing a preference for unmanufactured domestic construction material.

(2) The Contractor shall use only domestic construction material in performing this contract, except as provided in paragraph (b)(3) and (b)(4) of this clause.

(3) This requirement does not apply to the construction material or components listed by the Government as follows: [Contracting Officer to list applicable excepted materials or indicate "none"]

(4) The Contracting Officer may add other foreign construction material to the list in paragraph (b)(3) of this clause if the Government determines that—

(i) The cost of domestic construction material would be unreasonable.

- (A) The cost of domestic iron, steel, or other manufactured goods used as construction material is unreasonable when the cumulative cost of such material will increase the cost of the overall project by more than 25 percent; 1
- (B) The cost of unmanufactured construction material is unreasonable when the cost of such material exceeds the cost of foreign material by more than 6 percent;

(ii) The construction material is not mined, produced, or manufactured in the United States in sufficient and reasonably available quantities and of a satisfactory quality; or

(iii) The application of the restriction of section 1605 of the American Recovery and Reinvestment Act or the Buy American Act to a particular construction material would be inconsistent with the public interest.

(c) *Request for determination of inapplicability of Section 1605 of the American Recovery and Reinvestment Act or the Buy American Act.*

(1)(i) Any Contractor request to use foreign construction material in accordance with paragraph (b)(4) of this clause shall include adequate information for Government evaluation of the request, including—

(A) A description of the foreign and domestic construction materials;

The contracting officer would have to compare the offered price using foreign material to the price if all domestic material were used, based on the information provided by the offeror. If it does not increase the overall price by more than 25%, then it is not allowed. Offeror must then provide domestic.

(B) Unit of measure;

(C) Quantity;

(D) Price;

(E) Time of delivery or availability;

(F) Location of the construction project;

(G) Name and address of the proposed supplier; and

(H) A detailed justification of the reason for use of foreign construction materials cited in accordance with paragraph (b)(3) of this clause.

(ii) A request based on unreasonable cost shall include a reasonable survey of the market and a completed price comparison table in the format in paragraph (d) of this clause.

(iii) The price of construction material shall include all delivery costs to the construction site and any applicable duty.

(iv) Any Contractor request for a determination submitted after contract award shall explain why the Contractor could not reasonably foresee the need for such determination and could not have requested the determination before contract award. If the Contractor does not submit a satisfactory explanation, the Contracting Officer need not make a determination.

(2) If the Government determines after contract award that an exception to section 1605 of the American Recovery and Reinvestment Act or the Buy American Act applies and the Contracting Officer and the Contractor negotiate adequate consideration, the Contracting Officer will modify the contract to allow use of the foreign construction material. However, when the basis for the exception is the unreasonable price of a domestic construction material, adequate consideration is not less than the differential established in paragraph (b)(4)(i) of this clause.

(3) Unless the Government determines that an exception to section 1605 of the American Recovery and Reinvestment Act or the Buy American Act applies, use of foreign construction material is noncompliant with section 1605 of the American Recovery and Reinvestment Act or the Buy American Act.

(d) *Data*. To permit evaluation of requests under paragraph (c) of this clause based on unreasonable cost, the Contractor shall include the following information and any applicable supporting data based on the survey of suppliers:

FOREIGN AND DOMESTIC CONSTRUCTION MATERIALS PRICE COMPARISON

Construction Material Description	Unit of Measure	Quantity	Price (Dolla
<i>Item 1:</i>			
Foreign construction material	_____	_____	_____
Domestic construction material	_____	_____	_____
<i>Item 2:</i>			
Foreign construction material	_____	_____	_____
Domestic construction material	_____	_____	_____

[List name, address, telephone number, and contact for suppliers surveyed. Attach copy of response; if oral, attach summary.]

[Include other applicable supporting information.]

[* Include all delivery costs to the construction site.]

- II. Section J, Attachment F OPERATING AND ADMINISTRATIVE REQUIREMENTS (LIST B) is deleted and replaced as follows to reflect deletions of DOE Directives:

SECTION J – LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

OPERATING AND ADMINISTRATIVE REQUIREMENTS (LIST B)

Prime Contract No. DE-AC36-08GO28308

The operating and administrative requirements, including the Contractor Requirements Documents of DOE directives listed below are applicable in whole or in part in accordance with clauses H-18 Application of DOE Contractor Requirements Documents and 970.5204-2, Laws, Regulations, and DOE Directives (DEC 2000). The concurrence analysis documenting applicability for each requirement below is maintained in the DOE Master File as well as any assurances as required by Clause H-18, are made a part of this Contract by reference and are managed through a formal change control process.

Operating and Administrative Requirements	Applicability
DOE O 110.3A CRD Conference Management Approved: 01/25/07	CRD applicable in whole
DOE O 130.1 CRD Budget Formulation Approved: 09/29/95	CRD applicable in whole
DOE O 142.3 CRD Unclassified Foreign Visits and Assignments Program Approved: 06/18/04	CRD applicable in whole
DOE O 151.1C CRD Comprehensive Emergency Management System Approved: 11/02/05	CRD applicable in whole
DOE O 200.1A Information Technology Management Approved: 12/23/2008	CRD applicable in whole
DOE N 203.1 CRD Software Quality Assurance Approved: 10/02/00	CRD applicable in whole
DOE O 205.1A CRD Department of Energy Cyber Security Management Approved: 12/04/06	CRD applicable in whole
DOE M 205.1-6 CRD Media Sanitization Manual Approved: 12/23/2008	CRD applicable in whole

Operating and Administrative Requirements	Applicability
DOE N 206.3 CRD Personal Identity Verification Approved: 11/22/05 (DOE N 251.67 extends DOE N 206.3 until 03/22/07)	CRD applicable in part
DOE N 206.5 CRD Response and Notification Procedures for Data Breaches Involving Personally Identifiable Information Approved: 10/09/07	CRD applicable in whole
DOE O 210.2 CRD Corporate Operating Experience Program Approved: 06/12/06	CRD applicable in whole
DOE O 221.1A CRD Reporting Fraud, Waste, and Abuse to the Office of Inspector General Approved: 04/19/08	CRD applicable in whole
DOE O 221.2 CRD Cooperation with the Office of Inspector General Approved: 03/22/01	CRD applicable in whole
DOE O 225.1A CRD Accident Investigations Approved: 11/26/97	CRD applicable in whole
DOE O 226.1A CRD Implementation of Department of Energy Oversight Policy Approved: 07/31/07	CRD applicable in whole
DOE M 231.1-1A CRD Change 2 Environment, Safety and Health Reporting Manual Approved: 03/19/04 Change 2: 06/12/07	CRD applicable in whole
DOE M 231.1-2 CRD Occurrence Reporting and Processing of Operations Information Approved: 08/19/03	CRD applicable in whole
DOE O 241.1A CRD Scientific and Technical Information Management Approved: 04/09/01	CRD applicable in whole
DOE O 243.1 CRD Records Management Program Approved: 02/03/06	CRD applicable in whole
DOE O 243.2 CRD Vital Records Approved: 02/02/06	CRD applicable in whole
DOE O 251.1B CRD Departmental Directives Program Approved: 08/16/06	CRD Applicable in whole

Operating and Administrative Requirements	Applicability
DOE O 350.1 CRD(s) Change 1 Contractor Human Resource Management Programs Approved: 09/30/96 Change 1: 05/08/98	CRD applicable in whole
DOE O 350.2A CRD Use of Management and Operating or Other Facility Management Contractor Employees for Services to DOE in the Washington, D.C., Area Approved: 10/29/03	CRD applicable in whole
DOE O 412.1 CRD Work Authorization System Approved: 04/20/99	CRD applicable in whole
DOE O 413.1A CRD Management Control Program Approved: 04/18/02	CRD applicable in whole
DOE O 413.2B CRD Laboratory Directed Research and Development Approved: 04/19/06	CRD applicable in whole
DOE O 413.3A CRD Program and Project Management for the Acquisition of Capital Assets Approved: 07/28/06	CRD applicable in whole
DOE O 414.1C CRD Quality Assurance Approved: 06/17/05	CRD applicable in part
DOE O 430.1B CRD Real Property Asset Management Approved: 09/24/03	CRD applicable in whole
DOE O 430.2A CRD Departmental Energy and Utilities Management Approved: 04/15/02	CRD applicable in whole
DOE O 442.1A CRD Employee Concerns Program Approved: 06/06/01	CRD applicable in whole
DOE O 450.1 CRD (Change 3) Administrative Change 1 Environmental Protection Program Approved: 01/15/03 Change 3: 01/03/07	CRD applicable in whole
DOE M 450.4-1 CRD Integrated Safety Management System Manual Approved: 11/01/06	CRD applicable in whole

Operating and Administrative Requirements	Applicability
DOE O 470.2B CRD Independent Oversight and Performance Assurance Program Approved: 10/31/02	CRD applicable in whole
DOE M 470.4-1 CRD Change 1 Safeguards and Security Program Planning and Management Approved: 08/26/05 Change 1: 03/07/06	CRD applicable in part
DOE M 470.4-2 CRD Change 1 Physical Protection Approved: 08/26/05 Change 1: 03/07/06	CRD applicable in part
DOE M 470.4-3 CRD Change 1 Protective Force Approved: 08/26/05 Change 1: 03/07/06	CRD applicable in part
DOE M 470.4-4 CRD Information Security Approved: 08/26/05	CRD applicable in part
DOE M 470.4-5 CRD Personnel Security Approved: 08/26/05	CRD applicable in part
DOE O 471.3 CRD Identifying and Protecting Official Use Only Information Approved: 04/09/03	CRD applicable in whole
DOE M 471.3-1 CRD Manual for Identifying and Protecting Official Use Only Information Approved: 04/09/03	CRD applicable in whole
DOE O 475.1 CRD Counterintelligence Program Approved: 12/10/04	CRD applicable in whole
DOE O 482.1 CRD DOE Facilities Technology Partnering Programs Approved: 01/12/01	CRD applicable in whole
DOE O 483.1 CRD DOE Cooperative Research and Development Agreements Approved: 01/12/01	CRD applicable in whole
DOE O 484.1 CRD Reimbursable Work for the Department of Homeland Security Approved: 08/17/06	CRD applicable in whole

Operating and Administrative Requirements	Applicability
DOE O 522.1 CRD Pricing of Departmental Materials and Services Approved: 11/03/04	CRD applicable in whole
DOE O 534.1B CRD Accounting Approved: 01/06/03	CRD applicable in whole
DOE O 551.1B CRD Official Foreign Travel Approved: 08/19/03	CRD applicable in whole
DOE O 580.1 CRD Department of Energy Personal Property Management Program Approved: 12/07/05	CRD applicable in whole

**Summary of Modifications to Attachment F
Operating and Administrative Requirements
Mod 009**

Deleted	DOE O 200.1 CRD Information Management Program Approved: 09/30/96	CRD applicable in whole
Added	DOE O 200.1A Information Technology Management Approved: 12/23/2008	CRD applicable in whole
Added	DOE M 205.1-6 CRD Media Sanitization Manual Approved: 12/23/2008	CRD applicable in whole

III. All other terms and conditions of the contract remain the same.