

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE	PAGE OF PAGES 1   5
2. AMENDMENT/MODIFICATION NO. 086	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)
6. ISSUED BY Office of River Protection U.S. Department of Energy Office of River Protection P.O. Box 450 Richland WA 99352	CODE 00603	7. ADMINISTERED BY (If other than Item 6) Office of River Protection U.S. Department of Energy Office of River Protection P.O. Box 450 Richland WA 99352	CODE 00603
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) ADVANCED TECHNOLOGIES AND LABORATORIES (ATL) Attn: JOU HWANG 555 QUINCE ORCHARD ROAD, SUITE 500 GAITHERSBURG MD 208781437		(x) 9A. AMENDMENT OF SOLICITATION NO.	
CODE 827013467 FACILITY CODE		9B. DATED (SEE ITEM 11)	
		x 10A. MODIFICATION OF CONTRACT/ORDER NO. DE-AC27-10RV15051	
		10B. DATED (SEE ITEM 13) 11/20/2009	

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

CHECK ONE	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.
	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).
X	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: Contract Clause I.108, DEAR 970.5204-2, Laws, Regulations and DOE Directives
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor  is not,  is required to sign this document and return 1 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to update Contract Sections B, F, H, I, and J.

See continuation pages for further details.

Payment:

OR for ORP

U.S. Department of Energy

Oak Ridge Financial Service Center

P.O. Box 4307

Oak Ridge TN 37831

Period of Performance: 01/03/2010 to 01/03/2015

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print) Jou Hwang, President		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) SUSAN JOHNSON	
15B. CONTRACTING OFFICER 	15C. DATE SIGNED 7/11/2013	16B. UNITED STATES OF AMERICA 	16C. DATE SIGNED 7/3/13

NSN 7540-01-152-8070  
Previous edition unusable

STANDARD FORM 30 (REV. 10-83)  
Prescribed by GSA  
FAR (48 CFR) 53.243

**14. Description of Amendment/Modification Continued:**

The following changes are hereby incorporated into the contract:

1. Update Contract Section B, Supplies or Services and Prices/Costs, B.1(c), Option Period I, CLIN 3. This change is to correct the Accounting and Appropriations data that was entered on contract modification 63. The changes are as follows with no cost impact:

**FROM:**

63	01250 2012 34 421601 25200 1111551 0001521 0000000 0000000	\$13,000.00
63	01250 2012 34 421601 25200 1110849 0001520 0000000 0421398	(\$10,000.00)
63	01250 2012 34 421601 25200 1111556 0001520 0000000 0421398	\$10,000.00
64	01250 2012 34 421301 25200 1110909 0001481 0000000 0000000	\$1,500,000.00

**TO:**

63	01250 2012 34 421601 25200 1111551 0001521 0000000 0000000	\$13,000.00
63	01250 2012 34 421601 25200 1110849 0001525 0000000 0421398	(\$10,000.00)
63	01250 2012 34 421601 25200 1111556 0001525 0000000 0421398	\$10,000.00
64	01250 2012 34 421301 25200 1110909 0001481 0000000 0000000	\$1,500,000.00

2. Update Section F – Deliveries and Performance, to replace the text for F.5, Stop-Work and Shutdown Authorization in its entirety with no cost impact.
3. Update Section H – Special Contract Requirements Table of Contents to add Contract Clause H.41, Report and Approval Requirements for Conference Related Activities, to page H-ii. The change is as follows with no cost impact:

**FROM:**

H.40 SPECIAL PROVISIONS RELATING TO WORK FUNDED UNDER AMERICAN RECOVERY AND REINVESTMENT ACT OF 2009 (FEB 2009).....

**TO:**

H.40 SPECIAL PROVISIONS RELATING TO WORK FUNDED UNDER AMERICAN RECOVERY AND REINVESTMENT ACT OF 2009 (FEB 2009).....

H.41 REPORT AND APPROVAL REQUIREMENTS FOR CONFERENCE RELATED  
ACTIVITIES .....

4. The following change is being made in accordance with FAR 52.243-2, Changes-Cost Reimbursement (AUG 1987) – Alternate I (APR 1984). Update Contract Section H, *Special Contract Requirements*, to add Clause H.41, *Conference Related Activities and Spending*. The addition is as follows with no cost impact:

**H.41 REPORT AND APPROVAL REQUIREMENTS FOR CONFERENCE  
RELATED ACTIVITIES**

The contractor is required to report and obtain approval from the contracting officer or contracting officer authorized source before incurring any costs associated with conference related activities. Conference expenses are defined as follows:

Conference expenses are defined as all direct and indirect conference costs paid by the Government, whether paid directly by agencies or reimbursed by agencies to contractors, travelers or others associated with the conference, but do not include funds paid under Federal grants to grantees. Conference expenses include any associated authorized travel and per diem expenses, rental of rooms for official business, audiovisual use, light refreshments, registration fees, ground transportation, and other expenses as defined by the Federal Travel Regulations (FTR). All outlays for conference preparation and planning should be included, but employee time for conference preparation should not be included. The FTR provides some examples of direct and indirect conference costs included within conference expenses. See 41 CFR 301-74.2. Conference expenses should be net of any fees or revenue received by the agency or contractor through the conference.

5. Update Section I – Contract Clauses Table of Contents to add Clauses I.118 and I.119 to the Table of Contents on page I-iii. These two clauses were inadvertently left off the table when added to the contract on prior modifications. The change is as follows with no cost impact:

**FROM:**

**I.117 FAR 52.203-15 Whistleblower Protections Under the American Recovery and Reinvestment Act of 2009 (Mar 2009).....**

**TO:**

**I.117 FAR 52.203-15 Whistleblower Protections Under the American Recovery and Reinvestment Act of 2009 (Mar 2009).....**

**I.118 FAR 52.204-11 American Recovery and Reinvestment Act—Reporting Requirements. (JUL 2010).....**

**I.119 52.217-9 Option to Extend the Term of the Contract (MAR 2000) .....**

6. Update Section I – Contract Clauses Table of Contents to add Clause I.120, FAR 52.222-17, *Nondisplacement of Qualified Workers* (JAN 2013) and add Clause I.121, DEAR 970.5223-1, *Integration of Environment, Safety, and Health Into Work Planning and Execution* (DEC 2000), to page I-iii. The change is as follows with no cost impact:

**FROM:**

I.119 52.217-9 Option to Extend the Term of the Contract (MAR 2000) .....

**TO:**

I.119 52.217-9 Option to Extend the Term of the Contract (MAR 2000) .....  
I.120 FAR 52.222-17 Nondisplacement of Qualified Workers (JAN 2013).....  
I.121 DEAR 970.5223-1 Integration of Environment, Safety, and Health Into Work Planning and Execution (DEC 2000).....

7. Update Section I – Contract Clauses to add Clause I.120, FAR 52.222-17, *Nondisplacement of Qualified Workers* (JAN 2013) and add Clause I.121, DEAR 970.5223-1, *Integration of Environment, Safety, and Health Into Work Planning and Execution* (DEC 2000), to page I-iii. The change is as follows with no cost impact:

**FROM:**

**I.119 52.217-9 Option to Extend the Term of the Contract (MAR 2000)**

(a) The Government may extend the term of this contract by written notice to the Contractor; provided that the Government gives the Contractor a preliminary written notice of its intent to extend at least 60 days before the contract expires. The preliminary notice does not commit the Government to an extension.

(b) If the Government exercises this option, the extended contract shall be considered to include this option clause.

(c) The total duration of this contract, including the exercise of any options under this clause, shall not exceed period of performance through the exercise of Option Periods I, II and III.

(End of clause)

**TO:**

**I.119 52.217-9 Option to Extend the Term of the Contract (MAR 2000)**

(a) The Government may extend the term of this contract by written notice to the Contractor; provided that the Government gives the Contractor a preliminary written notice of its intent to extend at least 60 days before the

contract expires. The preliminary notice does not commit the Government to an extension.

(b) If the Government exercises this option, the extended contract shall be considered to include this option clause.

(c) The total duration of this contract, including the exercise of any options under this clause, shall not exceed period of performance through the exercise of Option Periods I, II and III.

(End of clause)

**I.120 FAR 52.222-17 Nondisplacement of Qualified Workers (JAN 2013)**

**I.121 DEAR 970.5223-1 Integration of Environment, Safety, and Health Into Work Planning and Execution (DEC 2000)**

8. The following change is being made in accordance with Contract Clause I-108, DEAR 970.5204-2, Laws, Regulations and DOE Directives:

Update Section J, Attachment 1, DOE Directives Applicable to the 222-S Lab, to add Department of Energy (DOE) Order (O) 231.1B, Change 1, Environment, Safety and Health Reporting, with no cost impact to the contract. The change is as follows:

**FROM:**

DOE O 226.1B	Implementation of DOE Oversight Policy
DOE O 231.1B, CRD	Environment, Safety, and Health Reporting
DOE O 232.2, CRD	Occurrence Reporting and Processing of Operations Information

**TO:**

DOE O 226.1B	Implementation of DOE Oversight Policy
DOE O 231.1B, Change 1, CRD	Environment, Safety, and Health Reporting Attachment 1, Step 2a Attachment 3, Steps 1 and 2
DOE O 232.2, CRD	Occurrence Reporting and Processing of Operations Information

9. The following change is being made in accordance with Contract Clause I-108, DEAR 970.5204-2, Laws, Regulations and DOE Directives:

Update Section J, Attachment 1, DOE Directives Applicable to the 222-S Lab, to remove Department of Energy (DOE) Manual (M) 450.4-1, Integrated Safety Management System Manual, with no cost impact to the contract. The change is as follows:

**FROM:**

DOE O 450.1A CRD	Environmental Protection Program
DOE M 450.4-1, CRD	Integrated Safety Management System Manual
DOE O 458.1, CRD	Radiation Protection of the Public and the Environment

**TO:**

DOE O 450.1A CRD	Environmental Protection Program
DOE O 458.1, CRD	Radiation Protection of the Public and the Environment

## **Attachment 1**

**DE-AC27-10RV15051**

**MODIFICATION 086**

## **Replacement Pages**

**(Total: 10, including this Cover Page)**

- Section B.1(c), Option Period I, Page B-5 and B-6
- Section F, Deliveries or Performance, Pages F-2 thru F-5
- Section H, Special Contract Requirements, Table of Contents, Page ii
- Section H, Special Contract Requirements, Page H-41
- Section I, Contract Clauses, Table of Contents, Page I-iii
- Section I, Contract Clauses, Page I-44
- Section J, List of Attachments, Table of Contents, Page J-1
- Section J, List of Attachments, Page J-3 and J-4

The performance of CLIN 03 includes the total estimated costs for the performance period stated in Section F.1 and the total award fee that can be earned (less any adjustment made in accordance with Section B Clause *DEAR 952.223-77 Conditional Payment of Fee* and Section H Clause *Key Personnel*).

The total available award fee for this CLIN is \$929,161.06. There is no base fee for this CLIN. The award fee for this CLIN shall be awarded upon the unilateral determination of DOE's fee determination official (FDO) that an award fee has been earned. The unilateral decision is made solely at the discretion of the government. This determination shall be based upon the FDO's evaluation of the Contractor's performance, as measured against the evaluation criteria set forth in the award fee plan. Provisional payment of a proportional monthly amount equivalent of an amount up to 50% of the available award fee for this CLIN may be permitted.

Immediately upon the FDO's final determination of the award fee for the evaluation period, the Contractor may invoice any fee amount not previously paid or must repay any excess amount paid. Any unearned award fee from this CLIN shall not be eligible to be earned in any other CLINs.

Funds Obligated to CLIN 03:

Modification No.	Accounting and Appropriation Data	Obligation Amount*
54	01250 2012 34 421301 25200 1110909 0001481 0000000 0000000	\$600,000.00
56	01250 2012 34 421601 25400 1110820 0001520 0000000 0000000	(\$300,000.00)
56	01250 2012 34 421601 25400 1110826 0001521 0000000 0000000	(\$13,000.00)
56	01250 2012 34 421601 25400 1110849 0001525 0000000 0421398	(\$10,000.00)
57	01250 2012 34 421601 25200 1110820 0001520 0000000 0000000	\$300,000.00
57	01250 2012 34 421601 25200 1110826 0001521 0000000 0000000	\$13,000.00
57	01250 2012 34 421601 25200 1110849 0001525 0000000 0421398	\$10,000.00
59	01250 2012 34 421301 25200 1110909 0001481 0000000 0000000	\$800,000.00
59	01250 2012 34 421601 25200 1111549 0001520 0000000 0000000	\$300,000.00
61	01250 2012 34 421301 25200 1110909 0001481 0000000 0000000	\$900,000.00
63	01250 2012 34 421601 25200 1110820 0001520 0000000 0000000	(\$300,000.00)
63	01250 2012 34 421601 25200 1111549 0001520 0000000 0000000	\$300,000.00
63	01250 2012 34 421601 25200 1110826 0001520 0000000 0000000	(\$13,000.00)
63	01250 2012 34 421601 25200 1111551 0001521 0000000 0000000	\$13,000.00
63	01250 2012 34 421601 25200 1110849 0001520 0001525 0000000 0421398	(\$10,000.00)

63	01250 2012 34 421601 25200 1111556 0001520 0001525 0000000 0421398	\$10,000.00
64	01250 2012 34 421301 25200 1110909 0001481 0000000 0000000	\$1,500,000.00
66	01250 2012 34 421601 25200 1111549 0001520 0000000 0421399	\$800,000.00
66	01250 2012 34 421601 25200 1111552 0001522 0000000 0421399	\$50,000.00
66	01250 2012 34 421601 25200 1111556 0004009 0000000 0421399	\$2,500.00
66	01250 2012 34 421601 25200 1111554 0001524 0000000 0421398	\$30,000.00
68	01250 2012 34 421301 25200 1110909 0001481 0000000 0000000	\$4,000,000.00
70	01250 2012 34 421601 25200 1111554 0001524 0000000 0421399	\$20,000.00
73	01250 2012 34 421301 25200 1110909 0001481 0000000 0000000	\$515,000.00
73	01250 2012 34 421301 25200 1110909 0001481 0000000 0000000	-\$22,804.64
73	01250 2012 34 421601 25200 1111556 0001525 0000000 0421398	\$5,000.00
76	01250 2012 34 421301 25200 1110909 0001481 0000000 0000000	\$472,804.64
78	01250 2013 34 421301 25200 1110909 0001481 0000000 0000000	\$3,000,000.00
79	01250 2013 34 421601 25102 1111556 0001525 0000000 0421398	\$20,000.00
TOTAL		\$12,992,500.00

\* Subject to Section I Clause FAR 52.232-22 entitled, *Limitation of Funds (APR 1984)*, the CLIN 03 value is estimated to be no more than \$ 13,775,966.57 (including Award Fee). The cumulative amount identified in this column is the total amount presently available for payment under this CLIN. It is estimated this amount will cover performance through January 2, 2013 as stated in Section F.1.

(d) **OPTION PERIOD II:**

CLIN Number	Description	Estimated Cost
4	Analytical Services & Testing	\$13,324,325.55

**CLIN 04 Description:**

The performance of CLIN 04 includes the total estimated costs for the performance period stated in Section F.1 and the total award fee that can be earned (less any adjustment made in accordance with Section B Clause *DEAR 952.223-77 Conditional Payment of Fee* and Section H Clause *Key Personnel*).

The total available award fee for this CLIN is \$961,635.30. There is no base fee for this CLIN. The award fee for this CLIN shall be awarded upon the unilateral determination of DOE's fee determination official (FDO) that an award fee has been

2. Terminate the work covered by the order as provided in the Termination clause of this contract.
- (b) If a stop-work order issued under this clause is canceled or the period of the order or any extension thereof expires, the Contractor shall resume work. The Contracting Officer shall make an equitable adjustment in the delivery schedule, the estimated cost, the fee, or a combination thereof, and in any other terms of the contract that may be affected, and the contract shall be modified, in writing, accordingly, if-
1. The stop-work order results in an increase in the time required for, or in the Contractor's cost properly allocable to, the performance of any part of this contract; and
  2. The Contractor asserts its right to the adjustment within 30 days after the end of the period of work stoppage; provided, that, if the Contracting Officer decides the facts justify the action, the Contracting Officer may receive and act upon the claim submitted at any time before final payment under this contract.
- (c) If a stop-work order is not canceled and the work covered by the order is terminated for the convenience of the Government, the Contracting Officer shall allow reasonable costs resulting from the stop-work order in arriving at the termination settlement.
- (d) If a stop-work order is not canceled and the work covered by the order is terminated for default, the Contracting Officer shall allow, by equitable adjustment or otherwise, reasonable costs resulting from the stop-work order.

## **F.5 STOP-WORK AND SHUTDOWN AUTHORIZATION**

(a) Definitions:

**Imminent Danger:** Any condition or practice such that a hazard exists that could reasonably be expected to cause death, serious physical harm, or other serious hazard to employees, unless immediate actions are taken to mitigate the effects of the hazard and/or remove employees from the hazard.

**Adversely Affects Safe Operation of Facility or Serious Facility Damage:** A condition, situation, or activity that if not terminated or mitigated could reasonably be expected to result in: nuclear criticality; facility fire/explosion; major facility or equipment damage or loss; or, a facility evacuation response.

## Stop Work Criteria:

1. Conditions exist that pose an imminent danger to the health and safety of workers or the public; or
2. Conditions exist, that if allowed to continue, could adversely affect the safe operation of, or could cause serious damage to, the facility; or
3. Conditions exist, that if allowed to continue, could result in the release from the facility to the environment of radiological or chemical effluents that exceed applicable regulatory requirements or approvals.

(b) DOE Stop Work Order.

In accordance with Section I, *Contract Clause*, I.120, DEAR 970.5223-1 *Integration of Environment, Safety, and Health into Work Planning and Execution*, the DOE Contracting Officer has the ability to issue a DOE Stop Work Order stopping work in whole or in part if:

1. the contractor fails to provide resolution of any noncompliance with applicable requirements and Safety Management System or,
2. at any time the contractor's acts or failure to act causes substantial harm or an imminent danger to the environment or health and safety of employees or the public.

In addition, a DOE Stop Work Order can be initiated if the Stop Work Criteria as defined in Section F.4 (a) is met dependent on the severity and extent of the condition.

(c) DOE Stop Work Action.

DOE personnel provide safety oversight of contractor operations and have the authority to initiate a DOE Stop Work Action if the Stop Work Criteria as defined in Section F.4 (a) is met. DOE personnel have the authority to shutdown an entire facility, activity, or job. Following a DOE Stop Work Action the contractor shall:

1. immediately stop the identified activity or activities (up to and including entire plant shutdown);
2. place the area, activity, facility, etc. into a safe condition;
3. determine actions necessary to address the unsafe condition;

4. provide proposed corrective actions to the DOE initiator of the DOE Stop Work Action;
  5. prior to restarting work, inform the DOE initiator that the corrective actions allowing for restart have been completed;
  6. restart work only after the unsafe condition is mitigated and the DOE has given verbal direction to allow restart; and
  7. if requested, provide DOE a Corrective Action Plan subsequent to the resumption of work in accordance with contractual requirements.
- (d) Contractor Stop Work Action
1. The contractor shall establish a stop work process/procedure that:
    - a. Meets the requirement of 10 CFR 851.20, *Management responsibilities and worker rights and responsibilities*.
    - b. At a minimum uses the Stop Work Criteria defined in Section F.4 (a) for when a Contractor Stop Work Action is required; and
    - c. Meets the tenets of the "Stop Work Policy."
  2. Upon initiating a Contractor Stop Work Action the contractor shall:
    - a. Immediately stop the identified activity or activities (up to and including entire plant shutdown);
    - b. Place the area, activity, facility, etc. into a safe condition;
    - c. Notify the DOE Facility Representative if the Contractor's Stop Work Action meets the Stop Work Criteria defined in Section F.4 (a), or notification of facility management is required for the issue;
    - d. Determine actions necessary to address the unsafe condition; and
    - e. Restart work only after the unsafe condition is mitigated.
- (e) Stop Work Policy.

The following represent the site's Stop Work Policy:

*Stop Work Responsibility:* Every Hanford site employee, regardless of employer, has the responsibility and authority to stop work IMMEDIATELY, without fear of reprisal, when the employee is convinced:

1. Conditions exist that pose a danger to the health and safety of workers or the public;
2. Conditions exist, that if allowed to continue, could adversely affect the safe operation of, or could cause serious damage to, a facility; or
3. Conditions exist, that if allowed to continue, could result in the release from the facility to the environment of radiological or chemical effluents that exceed applicable regulatory requirements or approvals.

*Reporting Unsafe Conditions:* Employees are expected to report any activity or condition which he/she believes is unsafe. Notification should be made to the affected worker(s) and then to the supervisor or designee at the location where the activity or condition exists. Following notification, resolution of the issue resides with the responsible supervisor.

*Right to a Safe Workplace:* Any employee who reasonably believes that an activity or condition is unsafe is expected to stop or refuse work without fear of reprisal by management or coworkers and is entitled to have the safety concern addressed prior to participating in the work.

*Stop Work Resolution:* If you have a "stop work" issue that has not been resolved through established channels, immediately contact your employer's Safety Representative or your Union Safety Representative. Alternatively, you may contact the employer's Employee Concerns Program or the DOE Employee Concerns Program.

- (a) Imminent Health and Safety Hazard is a given condition or situation which, if not immediately corrected, could result in a serious injury or death, including exposure to radiation and toxic/hazardous chemicals. Imminent Danger in relation to the facility safety envelope is a condition, situation, or proposed activity which, if not terminated, could cause, prevent mitigation of, or seriously increase the risk of (1) nuclear criticality, (2) radiation exposure, (3) fire/explosion, and/or (4) toxic hazardous chemical exposure.
- (a)
- (b) Stop-Work. In the event of an imminent health and safety hazard, identified by facility line management or operators or facility health and safety personnel overseeing facility operations, or other individuals, the individual or group identifying the imminent hazard situation shall immediately take actions to eliminate or mitigate the hazard (i.e., by directing the operator/implementer of the activity or process causing the imminent hazard to stop work, or by initiating emergency response actions or other actions) to protect the health and safety of the workers and the public, and to protect U.S. Department of Energy (DOE) facilities and the environment. In the event an imminent health and safety hazard is identified, the individual or group identifying the hazard should coordinate with an appropriate Contractor official, who will direct the shutdown or other actions, as required. Such mitigating action should subsequently be coordinated with the DOE and Contractor management. The suspension or stop-work order should be promptly confirmed in writing from the Contracting Officer.
- (c)
- (d) Shutdown. In the event of an imminent danger in relation to the facility safety envelope or a non-imminent health and safety hazard identified by facility line managers, facility operators, health and safety personnel overseeing facility operations, or by independent oversight organizations, the individual or group identifying the potential health and safety hazard may recommend facility shutdown in addition to any immediate actions needed to mitigate the situation. However, the recommendation must be coordinated with Contractor management and the DOE Office of River Protection Office Manager. Any written direction to suspend operations shall be issued by the Contracting Officer, pursuant to the Section F Clause entitled, *FAR 52.242-15, Stop Work Order*.
- (e)
- (f) Facility Representatives. DOE personnel designated as Facility Representatives provide the technical/safety oversight of operations. The Facility Representative has the authority to "stop work," which applies to the shutdown of an entire plant, activity, or job. This stop-work authority will be used for an operation of a facility which is performing work the Facility Representative believes:
- (g)

- (h) Poses an imminent danger to health and safety of workers or the public if allowed to continue;
- (i)
- (j) Could adversely affect the safe operation of, or could cause serious damage to the facility if allowed to continue; or
- (k)
- (l) Could result in the release of radiological or chemical hazards to the environment in excess of regulatory limits.
- (m)
- (n) (e) The Contractor shall comply with the Hanford Site "Stop Work" Policy.
- (o)

<b>H.29</b>	<b>PRICE-ANDERSON AMENDMENTS ACT NON-COMPLIANCE.....</b>	<b>29</b>
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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.

**H.41 REPORT AND APPROVAL REQUIREMENTS FOR CONFERENCE RELATED ACTIVITIES**

The contractor is required to report and obtain approval from the contracting officer or contracting officer authorized source before incurring any costs associated with conference related activities. Conference expenses are defined as follows:

Conference expenses are defined as all direct and indirect conference costs paid by the Government, whether paid directly by agencies or reimbursed by agencies to contractors, travelers or others associated with the conference, but do not include funds paid under Federal grants to grantees. Conference expenses include any associated authorized travel and per diem expenses, rental of rooms for official business, audiovisual use, light refreshments, registration fees, ground transportation, and other expenses as defined by the Federal Travel Regulations (FTR). All outlays for conference preparation and planning should be included, but employee time for conference preparation should not be included. The FTR provides some examples of direct and indirect conference costs included within conference expenses. See 41 CFR 301-74.2. Conference expenses should be net of any fees or revenue received by the agency or contractor through the conference.

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United States and outlying areas. A job cannot be reported as both created and retained. See an example of how to calculate the number of jobs at [http://www.whitehouse.gov/omb/recovery\\_faqs\\_contractors](http://www.whitehouse.gov/omb/recovery_faqs_contractors).

**I.119 52.217-9 Option to Extend the Term of the Contract (MAR 2000)**

- (a) The Government may extend the term of this contract by written notice to the Contractor; provided that the Government gives the Contractor a preliminary written notice of its intent to extend at least 60 days before the contract expires. The preliminary notice does not commit the Government to an extension.
- (b) If the Government exercises this option, the extended contract shall be considered to include this option clause.
- (c) The total duration of this contract, including the exercise of any options under this clause, shall not exceed period of performance through the exercise of Option Periods I, II and III.

(End of clause)

**I.120 FAR 52.222-17 Nondisplacement of Qualified Workers (JAN 2013)**

**I.121 DEAR 970.5223-1 Integration of Environment, Safety, and Health Into Work Planning and Execution (DEC 2000)**

**PART III - LIST OF DOCUMENTS, EXHIBITS,  
AND OTHER ATTACHMENTS**

**SECTION J**

**LIST OF ATTACHMENTS**

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DOE O 151.1C CRD	Comprehensive Emergency Management System Attachment 2, CRD <ul style="list-style-type: none"> <li>· Item 2</li> <li>· Item 5</li> <li>· Item 6</li> <li>· Item 7</li> <li>· Item 9</li> <li>· Item 10</li> <li>· Item 11</li> <li>· Item 13</li> <li>· Item 14</li> <li>· Item 15</li> </ul>
DOE O 200.1A CRD	Information Technology Management
DOE O 205.1A CRD	Department of Energy Cyber Security Management
DOE O 206.1 CRD	Department of Energy Privacy Program
DOE N 206.4	Personal Identity Verification
DOE N 206.5	Response and Notification Procedures for Data Breaches Involving Personally Identifiable Information
DOE O 210.2A CRD	DOE Corporate Operating Experience Program
DOE O 221.1A CRD	Reporting Fraud, Waste, and Abuse to the Office of Inspector General
DOE O 221.2A CRD	Cooperation with the Office of Inspector General
DOE O 225.1B, CRD	Accident Investigations
DOE O 226.1B	Implementation of DOE Oversight Policy
DOE O 231.1B, Change 1, CRD	Environment, Safety, and Health Reporting Attachment 1, Step 2a Attachment 3, Steps 1 and 2
DOE O 232.2, CRD	Occurrence Reporting and Processing of Operations Information
DOE O 241.1B, CRD	Scientific and Technical Information Management
DOE O 243.1 CRD	Records Management Program
DOE O 243.2 CRD	Vital Records
DOE O 350.1, Change 3, CRD*	Contractor Human Resource Management Programs  *Exclude all of 5(b) paragraph found in Attachment for Chapter 4, on Page IV.
DOE O 413.1B CRD	Internal Control Program
DOE O 414.1C, CRD	Quality Assurance
DOE O 422.1, CRD	Conduct of Operations
DOE O 426.2, CRD	Personnel Selection, Training, Qualification and Certification Requirements for DOE Nuclear Facilities

Order Number/Changes	Title
DOE O 435.1, Change 1, CRD	Radioactive Waste Management
DOE M 441.1-1	Nuclear Material Packaging Manual
DOE O 442.1A, CRD Supplemented Revision 2	Department of Energy Employee Concerns Program
DOE O 442.2, CRD	Differing Professional Opinions for Technical Issues Involving Environmental, Safety, and Health Technical Concerns
DOE O 450.1A CRD	Environmental Protection Program
DOE O 458.1, CRD	Radiation Protection of the Public and the Environment
DOE O 460.1B CRD	Packaging and Transportation Safety
DOE M 470.4-6 Change 1, CRD	Nuclear Material Control and Accountability
DOE O 471.3, Change 1	Identifying and Protecting Official Use Only Information
DOE M 471.3-1 CRD	Manual for Identifying and Protecting Official Use Only Information
DOE O 471.6, CRD	Information Security
DOE O 472.2, CRD	Personnel Security
DOE O 473.3, CRD	Protection Program Operations
DOE O 475.1 CRD	Counterintelligence Program
DOE O 551.1D, CRD	Official Foreign Travel
DOE-0223	RL- Emergency Implementing Procedures
DOE/RL-94-02, Rev 5	Hanford Emergency Management Plan - Section 11.1 - Section 11.1.3 - Section 12.0
DOE/RL 96-68	HASQARD, Revision 3
MGT-PM-IP-08, Attachment 9.2, CRD	Facility Representative Program
ORP M 420.1-1, CRD	ORP Fire Protection Program