

2. CONTRACT NO. (Proc. Inst. Ident.) NRC-38-08-702	3. EFFECTIVE DATE 09/30/2008	4. REQUISITION/PURCHASE REQUEST/PROJECT NO. 38-08-702
---	---------------------------------	--

5. ISSUED BY U.S. Nuclear Regulatory Commission Div. of Contracts Attn: Jennifer DeFino, 301-492-3637 Mail Stop: TWB-01-B10M Washington, DC 20555	CODE 3100	6. ADMINISTERED BY (If other than Item 5) U.S. Nuclear Regulatory Commission Div. of Contracts Mail Stop: TWB-01-B10M Washington, DC 20555	CODE 3100
--	--------------	--	--------------

7. NAME AND ADDRESS OF CONTRACTOR (No., street, city, county, State and ZIP Code) EDISON WELDING INSTITUTE INC E W I 1250 ARTHUR E ADAMS DR COLUMBUS OH 432213585	8. DELIVERY <input type="checkbox"/> FOB ORIGIN <input checked="" type="checkbox"/> OTHER (See below) 9. DISCOUNT FOR PROMPT PAYMENT 10. SUBMIT INVOICES (4 copies unless otherwise specified) TO THE ADDRESS SHOWN IN
---	---

CODE 121985774	FACILITY CODE	11. SHIP TO/MARK FOR U.S. Nuclear Regulatory Commission Washington DC 20555	12. PAYMENT WILL BE MADE BY Department of Interior / NBC NRCPayments@nbc.gov Attn: Fiscal Services Branch - D2770 7301 W. Mansfield Avenue Denver CO 80235-2230
----------------	---------------	---	--

13. AUTHORITY FOR USING OTHER THAN FULL AND OPEN COMPETITION: <input type="checkbox"/> 10 U.S.C. 2304(c) () <input type="checkbox"/> 41 U.S.C. 253(c) ()	14. ACCOUNTING AND APPROPRIATION DATA B&R: 8-8415-171114 JCN: X8492 BOC: 252A Appro. No: 31X0200 Obligate: \$100,500.00
---	--

15A. ITEM NO.	15B. SUPPLIES/SERVICES	15C. QUANTITY	15D. UNIT	15E. UNIT PRICE	15F. AMOUNT
	The Contractor shall provide the U.S. Nuclear Regulatory Commission (NRC) the training course entitled, "Welding Technology and Codes," as described on Section C.1 "Statement of Work" and in accordance with the terms and conditions of this contract. Title: "Welding Technology and Codes Training Course" Period of Performance (base): Sept. 30, 2008 - Sept. 29, 2009				

15G. TOTAL AMOUNT OF CONTRACT \$390,757.00

16. TABLE OF CONTENTS				See Attached Table of Contents			
(X)	SEC.	DESCRIPTION	PAGE(S)	(X)	SEC.	DESCRIPTION	PAGE(S)
PART I - THE SCHEDULE				PART II - CONTRACT CLAUSES			
	A	SOLICITATION/CONTRACT FORM			I	CONTRACT CLAUSES	
	B	SUPPLIES OR SERVICES AND PRICES/COSTS		PART III - LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACH.			
	C	DESCRIPTION/SPECS./WORK STATEMENT			J	LIST OF ATTACHMENTS	
	D	PACKAGING AND MARKING		PART IV - REPRESENTATIONS AND INSTRUCTIONS			
	E	INSPECTION AND ACCEPTANCE			K	REPRESENTATIONS, CERTIFICATIONS AND OTHER STATEMENTS OF OFFERORS	
	F	DELIVERIES OR PERFORMANCE			L	INSTRS., CONDS., AND NOTICES TO OFFER	
	G	CONTRACT ADMINISTRATION DATA			M	EVALUATION FACTORS FOR AWARD	
	H	SPECIAL CONTRACT REQUIREMENTS					

CONTRACTING OFFICER WILL COMPLETE ITEM 17 OR 18 AS APPLICABLE

17. <input checked="" type="checkbox"/> CONTRACTOR'S NEGOTIATED AGREEMENT (Contractor is required to sign this document and return 2 copies to issuing office.) Contractor agrees to furnish and deliver all items or perform all the services set forth or otherwise identified above and on any continuation sheets for the consideration stated herein. The rights and obligations of the parties to this contract shall be subject to and governed by the following documents: (a) this award/contract, (b) the solicitation, if any, and (c) such provisions, representations, certifications, and specifications, as are attached or incorporated by reference herein. (Attachments are listed herein.)	18. <input type="checkbox"/> AWARD (Contractor is not required to sign this document.) Your offer on Solicitation Number _____ including the additions or changes made by you which additions or changes are set forth in full above, is hereby accepted as to the items listed above and on any condition sheets. This award consummates the contract which consists of the following documents: (a) the Government's solicitation and your offer, and (b) this award/contract. No further contractual document is necessary.
---	--

19A. NAME AND TITLE OF SIGNER H. Michael Sewell Manager, Contracts	20A. NAME OF CONTRACTING OFFICER Donald A. King Contracting Officer	19B. NAME OF CONTRACTOR BY <i>H. Michael Sewell</i>	19C. DATE SIGNED 9/29/2008	20B. UNITED STATES OF AMERICA BY <i>Donald A. King</i>	20C. DATE SIGNED 9/29/2008
--	---	--	-------------------------------	---	-------------------------------

Table of Contents

PART I - THE SCHEDULE	A-1
SECTION A - SOLICITATION/CONTRACT FORM	A-1
SF 26 AWARD/CONTRACT	A-1
PART I - THE SCHEDULE	B-1
SECTION B - SUPPLIES OR SERVICES AND PRICE/COSTS	B-1
B.1 PROJECT TITLE	B-1
B.2 BRIEF DESCRIPTION OF WORK (MAR 1987) ALTERNATE 1 (JUN 1988)	B-1
B.3 PRICE/COST SCHEDULE	B-1
B.4 CONSIDERATION AND OBLIGATION--DELIVERY ORDERS (JUN 1988)	B-3
SECTION C - DESCRIPTION/SPECIFICATIONS/STATEMENT OF WORK	C-1
SECTION D - PACKAGING AND MARKING	D-1
D.1 PACKAGING AND MARKING (MAR 1987)	D-1
SECTION E - INSPECTION AND ACCEPTANCE	E-1
E.1 NOTICE LISTING CONTRACT CLAUSES INCORPORATED BY REFERENCE	E-1
E.2 PLACE OF INSPECTION AND ACCEPTANCE (MAR 1987)	E-1
SECTION F - DELIVERIES OR PERFORMANCE	F-1
F.1 NOTICE LISTING CONTRACT CLAUSES INCORPORATED BY REFERENCE	F-1
F.2 DELIVERY SCHEDULE	F-1
F.3 DURATION OF CONTRACT PERIOD (MAR 1987) ALTERNATE 4 (JUN 1988)	F-2
SECTION G - CONTRACT ADMINISTRATION DATA	G-1
G.1 PROJECT OFFICER AUTHORITY ALTERNATE 2 (FEBRUARY 2004)	G-1
G.2 ORDERING PROCEDURES (MAY 1991)	G-1
SECTION H - SPECIAL CONTRACT REQUIREMENTS	H-1
H.1 2052.209-72 CONTRACTOR ORGANIZATIONAL CONFLICTS OF INTEREST (JAN 1993)	H-1
H.2 2052.215-70 KEY PERSONNEL (JAN 1993)	H-3
H.3 GOVERNMENT FURNISHED EQUIPMENT/PROPERTY (JANUARY 2001)	H-4
H.4 SEAT BELTS	H-4
H.5 Annual and Final Contractor Performance Evaluations	H-4
H.6 Compliance with U.S. Immigration Laws and Regulations	H-5
H.7 WHISTLEBLOWER PROTECTION FOR NRC CONTRACTOR AND SUBCONTRACTOR EMPLOYEES (JULY 2006)	H-5
PART II - CONTRACT CLAUSES	I-1
SECTION I - CONTRACT CLAUSES	I-1
I.1 NOTICE LISTING CONTRACT CLAUSES INCORPORATED BY REFERENCE	I-1
I.2 52.216-18 ORDERING (OCT 1995)	I-2
I.3 52.216-19 ORDER LIMITATIONS (OCT 1995)	I-3
I.4 52.216-21 REQUIREMENTS (OCT 1995)	I-3
I.5 52.217-8 OPTION TO EXTEND SERVICES (NOV 1999)	I-4
I.6 52.217-9 OPTION TO EXTEND THE TERM OF THE CONTRACT (MAR 2000)	I-4

I.7 52.219-28 POST-AWARD SMALL BUSINESS PROGRAM REREPRESENTATION (JUNE 2007).....I-4
I.8 52.222-39 NOTIFICATION OF EMPLOYEE RIGHTS CONCERNING PAYMENT OF UNION DUES OR FEES (DEC 2004)I-5
I.9 52.252-2 CLAUSES INCORPORATED BY REFERENCE (FEB 1998)I-7

PART III - LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS.....J-1

SECTION J - LIST OF ATTACHMENTSJ-1

PART I - THE SCHEDULE**SECTION B - SUPPLIES OR SERVICES AND PRICE/COSTS****B.1 PROJECT TITLE**

The title of this project is as follows:

WELDING TECHNOLOGY AND CODES TRAINING COURSE**B.2 BRIEF DESCRIPTION OF WORK (MAR 1987) ALTERNATE 1 (JUN 1988)**

(a) Brief description of work:

The contractor shall develop and instruct the "Welding Technology and Codes" course as required by NRC.

(b) Orders will be issued for work required by the NRC in accordance with 52.216-18 - Ordering. Only Contracting Officers of the NRC or other individuals specifically authorized under this contract may authorize the initiation of work under this contract. The provisions of this contract shall govern all orders issued hereunder.

B.3 PRICE/COST SCHEDULE

Base Year: September 30, 2008 through September 29, 2009					
CLIN	Description of Services	Est. Qty.	Unit	Unit Price	Total
001	"Welding Technology and Codes" Course Development		LOT		\$321,415.00
002	Delivery of "Welding Technology and Codes" Course				
	002a - Instructors to teach "Welding Technology and Codes" Course		EA		\$35,007.00
	002b - Student training materials for "Welding Technology and Codes" Course		EA		\$15,694.00
	002c - Shipping materials and fees for student materials		EA		\$313.00
003	Final Report		EA		\$18,328.00
TOTAL					\$390,757.00

Option Year One: September 30, 2009 through September 29, 2010					
CLIN	Description of Services	Est. Qty.	Unit	Unit Price	Total
005	Update of "Welding Technology and Codes" Course Materials		LOT		\$36,001.00
006	Delivery of "Welding Technology and Codes" Course				
	006a - Instructors to teach "Welding Technology and Codes" Course		EA		\$33,252.00
	006b - Student training materials for "Welding Technology and Codes" Course		EA		\$850.00
	006c - Shipping materials and fees for student materials		EA		\$313.00
007	Final Report		EA		\$8,282.00
TOTAL					\$78,698.00

Option Year Two: September 30, 2010 through September 29, 2011					
CLIN	Task	Est. Qty.	Unit	Unit Price	Total
009	Update of "Welding Technology and Codes" Course Materials		EA		\$29,033.00
010	Delivery of "Welding Technology and Codes" Course				
	010a - Instructors to teach "Welding Technology and Codes" Course		EA		\$34,400.00
	010b - Student training materials for "Welding Technology and Codes" Course		EA		\$7,049.00
	010c - Shipping materials and fees for student materials		EA		\$313.00
011	Final Report		EA		\$8,572.00
TOTAL					\$79,367.00

Option Year Three: September 30, 2011 through September 29, 2012					
CLIN	Task	Est. Qty.	Unit	Unit Price	Total
013	Update of "Welding Technology and Codes" Course Materials		EA		\$29,930.00
014	Delivery of "Welding Technology and Codes" Course				
	014a - Instructors to teach "Welding Technology and Codes" Course		EA		\$35,592.00
	014b - Student training materials for "Welding Technology and Codes" Course		EA		\$932.00
	014c - Shipping materials and fees for student materials		EA		\$313.00
015	Final Report		EA		\$8,872.00
TOTAL					\$75,639.00

Option Year Four: September 30, 2012 through September 29, 2013					
CLIN	Task	Est. Qty.	Unit	Unit Price	Total
017	Update of "Welding Technology and Codes" Course Materials	[REDACTED]	EA	[REDACTED]	\$30,861.00
018	Delivery of "Welding Technology and Codes" Course				
	018a - Instructors to teach "Welding Technology and Codes" Course	[REDACTED]	EA	[REDACTED]	\$36,827.00
	018b - Student training materials for "Welding Technology and Codes" Course	[REDACTED]	EA	[REDACTED]	\$7,573.00
	018c - Shipping materials and fees for student materials	[REDACTED]	EA	[REDACTED]	\$313.00
019	Final Report	[REDACTED]	EA	[REDACTED]	\$9,182.00
TOTAL					\$84,756.00

GRAND TOTAL --- \$709,217.00
 =====

B.4 CONSIDERATION AND OBLIGATION--DELIVERY ORDERS (JUN 1988)

(a) The total estimated amount of this contract (ceiling) for the products/services ordered, delivered, and accepted under this contract is \$390,757.00. The Contracting Officer may unilaterally increase this amount as necessary for orders to be placed with the contractor during the contract period provided such orders are within any maximum ordering limitation prescribed under this contract.

(b) The amount presently obligated with respect to this contract is \$100,500.00. The Contracting Officer may issue orders for work up to the amount presently obligated. This obligated amount may be unilaterally increased from time to time by the Contracting Officer by written modification to this contract. The obligated amount shall, at no time, exceed the contract ceiling as specified in paragraph a above. When and if the amount(s) paid and payable to the Contractor hereunder shall equal the obligated amount, the Contractor shall not be obligated to continue performance of the work unless and until the Contracting Officer shall increase the amount obligated with respect to this contract. Any work undertaken by the Contractor in excess of the obligated amount specified above is done so at the Contractor's sole risk.

SECTION C - DESCRIPTION/SPECIFICATIONS/STATEMENT OF WORK

I. BACKGROUND

The Nuclear Regulatory Commission (NRC) inspects licensed nuclear facilities and their construction and operations (licensed activities) as part of its public health and safety mission. The purpose of these inspections is to verify licensed activities are conducted safely and in accordance with federal regulations.

In support of this mission, the NRC's Office of Human Resources conducts a program of training designed to give NRC staff technical information and hands-on experience in the area of welding technology. The courses/training improves the NRC inspector's ability to conduct in-depth inspections and design reviews of NRC-licensed facilities to determine whether or not applicable codes and standards are met.

II. CONTRACT OBJECTIVE

The Contractor shall provide the personnel, facilities, instructional materials, and services necessary to develop and instruct the "Welding Technology and Codes" course.

III. SCOPE OF WORK

The contract shall cover the development of course materials and the presentation of a training course entitled "Welding Technology and Codes." The course shall emphasize the codes and standards pertaining to NRC regulated activities.

A. Task 1 – Course Development

A.1. Requirement

The contractor shall revise/update the course entitled, "Welding Technology and Codes " to include, at a minimum the topics listed below. A sample outline is given in Attachment 1. Course objectives shall be accomplished through a combination of lectures, discussions, films, demonstrations, and field exercises providing hands-on experience in the various aspects of welding technology. Changes in, additions to, or deviations from the topics listed are permitted, but the content of the final outline shall be approved by the NRC Project Officer.

i. Lectures: The classroom portion of the course shall encompass at least the following:

- 1) Detailed technical description of welding processes with emphasis on arc welding processes (Gas tungsten arc (GTAW), shielded metal arc (SMAW), submerged arc (SAW), and electroslag (ESW) processes) - including definitions of machine welding, automatic welding, and semi-automatic welding
- 2) Basic welding metallurgy
- 3) Welding design, including joint designs, welding symbols, and welding stresses
- 4) Technical details for welding of carbon and low alloy steels
- 5) Technical details for welding of stainless steels
- 6) Technical details for welding of nickel alloys (e.g., Inconel)
- 7) Weld soundness - description and causes of weld defects
- 8) Heat treatment of weldments - preheat and post weld heat treatment (PWHT)
- 9) Welding materials for above welding processes and base materials
- 10) Mechanical properties, including mechanical testing, for above welding materials and processes

- 11) Welding procedure specification requirements, including testing of qualification coupons
- 12) Qualification of welders and welding operators, including testing of qualification coupons
- 13) Quality control including pre-weld inspections, in-process inspections and nondestructive examinations (NDE), final weld Inspections and NDE
- 14) Code (ASME, AWS, etc.) requirements for the above welding activities

ii. Demonstrations: The course shall include exercises which shall be designed to allow each student to gain hands-on experience in welding technology. Demonstrations of various welding equipment, welding techniques, weldments (including joint mockup training aids), testing and evaluation shall be conducted (with GTAW and SMAW as a minimum). The demonstrations shall include the use of correct and incorrect materials with the proper and improper fit-up, correct and incorrect machine settings of gas flows, proper and improper electrodes and other demonstrations as required to meet the course objectives.

iii. Course Duration: The course shall be approximately seventy-six (76) hours in duration (two consecutive five day segments @ 8 hours per day, with the last day consisting of four hours).

iv. Course Materials: The contractor shall provide course materials (the student and instructor manuals and all reference materials) to the current industry standards, and shall be utilized for the period of the contract, including optional periods. A copy of a previous NRC welding course instructor manual will be provided to the contractor as a guideline, but shall be updated as appropriate with new standards and visuals. During the contract period, in the event of new regulatory requirements or significant changes to industry standards, the contractor shall update the course materials.

1) Student Manual

- a) The contractor shall prepare a student manual for use during the presentation of the course material. The student manual shall include printed copies of view graphs, slides and other visual aids required to present the course.
- b) Learning objectives shall be included at the beginning of each section or chapter.
- c) The student manual shall also include a Table of Contents, a glossary of common terms and copies of relevant reference material. Short references (approximately six pages or less) shall be included in the manual while lengthy references shall be listed in a bibliography which provides the student with sufficient information to determine what issues the reference covers and where a copy may be obtained.

2) Instructor Manual

The contractor shall provide an instructor manual to supplement the student manual. The instructor manual shall be prepared in sufficient detail to allow a qualified individual who has not previously conducted the course to present the material in an organized fashion. The instructor manual shall include, as a minimum:

- a) Detailed course outline;
- b) Clearly defined learning objectives for each topic;
- c) Copies or detailed descriptions for visual aids;
- d) Detailed lesson plans indicating the manner in which the student material will be presented by the instructor. The lesson plans shall include appropriate references to visual aids and other materials required during the presentation and indicate when each is to be used during the presentation; or, a Microsoft Power Point presentation may be used as a substitute if adequate instructor information is provided in the notes section.

e) Detailed references to course references, codes, and standards.

3) Reference Materials

One copy of the most recent revision of the following published reference material shall be made available for use by each student during the course. Appropriate substitutions may be made if approved by the Project Officer:

- American Welding Society ANSI/AWS D1.1 Structural Welding Code - Steel
- American Welding Society Welding Handbook Volume 1
- American Welding Society Welding Handbook Volume 2
- Welding Research Council Weldability of Steels

v. Visual Aids

The contractor shall develop or provide visual aids to assist students in understanding the course material. The contractor shall use these visual aids to supplement the presentation of the course material. Any visual aid which the contractor deems necessary for the presentation of this course must be provided to the NRC Project Officer as an integral part of the training package. A hard copy of each visual aid used during the course should be included in the student manual as a figure plate at the end of the applicable chapter.

vi. Written Examinations

The contractor shall develop written examinations to evaluate the students' performance to verify that they have attained the proper level of understanding of the course material. The contractor shall prepare, administer, proctor, and grade the examination.

1) Examination Content

The examination shall consist of twenty-five (25) questions based on the learning objectives in the student course manual. The majority of questions shall be multiple choice with four possible answers and only one correct answer. Responses such as "Some of the Above," and "All of the Above," shall not be used as a response to an examination question. No questions shall be in a True/False format. No more than five questions shall be phrased requiring a negative response, i.e., "which of the following is not correct?" Any such question shall emphasize, by capitalization and underline or bold type the negative element, (e.g., NOT or **NOT**). Examinations for courses after the first course shall not repeat more than 50% of the questions used on a previous course examination.

vii. Software Program

All manuals, both instructor and student, and written examinations shall be prepared in Microsoft Word 2003, the NRC word processing software program. Any graphics presentations used in the course will be developed in Microsoft PowerPoint format.

A.2. Standard

All requirements listed in A.1 must be fulfilled.

A.3. Deliverables

i) Course Materials

1) Draft Outlines- within thirty (30) days after the initial meeting or within thirty (30) days after receipt of written cancellation of that meeting, provide a draft instructor manual outline and a draft student manual outline to the Project Officer/Contracting Officer. The NRC Project Officer will provide his review of the material within ten (10) days after receipt from the contractor. The contractor shall correct any deficiencies and resubmit the material within ten (10) days after receipt of the NRC Project Officer comments.

2) Draft Materials - within sixty (60) days after acceptance of the draft instructor manual outline and the student manual outline, provide two (2) draft copies of the instructor manual, student manual, exam questions, draft problems for use during workshops, and visual aids. The contractor shall carefully proof all materials submitted. The NRC Project Officer will provide his review of the material within twenty (20) days after receipt from the contractor. The contractor shall correct any deficiencies and resubmit the material within ten (10) days after receipt of the NRC Project Officer comments.

3) Final Copies - within sixty (60) days after acceptance of the draft materials, submit three (3) copies of final course materials listed below. One copy of computer data storage (e.g., disks, cds, dvds, etc.) containing all materials in the required formats shall be forwarded to the NRC Project Officer.

- Student Manual
- Instructor manual
- Examination questions and answers
- Problem sets/workshops and answers
- Study questions and answers
- Visual aids (slides, view-graphs, videos, or other)

A.4. Quality Assurance Plan

100% Inspection: The NRC Project Officer will review all deliverables and provide comments on Contractor submitted draft documents. The Contractor shall incorporate all NRC comments into the final deliverables. All final deliverables will be reviewed and approved by the NRC Project Officer.

A.5. Incentives

A 0.05% deduction will be taken off the total contract line item amount (CLIN) for Task 1 for each business day late for each deliverable. A 0.05% deduction will be taken off the total CLIN for Task 1 for each NRC comment not incorporated into the Contractor's final deliverable submissions.

A.6. Meetings and Travel

Within thirty (30) days after contract award a meeting will be held at the contractor's facility to discuss the course outline, lesson objectives, material preparation, and classroom and laboratory facilities. This meeting may be canceled or rescheduled based upon mutual agreement of the NRC Project Officer and the contractor.

A.7. NRC Furnished Materials

The NRC will provide the Contractor a copy of the previous NRC welding course instructor manual. Upon request, the NRC will furnish the contractor with at least one copy of applicable NRC documents deemed necessary to support course development and presentation, such as Regulatory Guides, Information Notices, Bulletins and NUREGs, and current version of the student and instructor's manuals for each course. If these documents are available on the NRC website, the contractor may be provided with the URL and directed to download the appropriate information.

A.8. Additional Information/Guidance

All course and reference materials as well as training aids prepared or created by the contractor or obtained for the NRC for use in the presentation of this course will become the property of the NRC upon completion of this contract.

B. Task 2 – Instruct/Present "Welding Technology and Codes" Course

B.1. Requirement

The contractor shall instruct/present the course entitled, "Welding Technology and Codes" in accordance with the requirements of Task 1 of this Performance Work Statement.

i. Instructors

Course instructors shall have five years of expertise in welding technology, testing and acceptance, relevant codes and standards and a demonstrated understanding of the regulatory issues dealing with welding technology used at commercial nuclear facilities.

Course instructors shall have two years of expertise in course instruction, with one year of experience in providing instruction to, and supervising the activities of, individuals who have little or no experience in the field of welding technology or industrial safety to ensure applicable Federal and State safety requirements are met in this course.

ii. Training Materials

The contractor shall provide each student with: a student manual which shall include learning objectives for each section, a copy of relevant industry standards and NRC Regulatory Guides, Generic Communications, and policy documents relevant to the subject matter; a copy of relevant view-graphs used during the course presentation and not already provided in the student manual; applicable case histories; and all handouts, (i.e., material not included in the student manual). The use of handouts shall be kept to a minimum and shall represent material that could not have been incorporated in the student manual prior to the start of the course.

iii. Course Examinations and Reexaminations

1) Course Examinations

The contractor shall prepare, administer, proctor, and grade written examinations to evaluate the students' performance to verify that they have attained the proper level of understanding of the course material.

2) Reexaminations

The contractor shall prepare, provide and grade reexaminations, as required, for students who do not demonstrate a sufficient understanding of course material (70% or higher on the examination). Reexaminations shall not repeat more than 50% of the questions used on the previous course examination. The Reexamination may utilize the examination developed for the next course where possible. The reexamination will be administered by NRC personnel for students requiring a reexamination. Whenever possible, these examinations will be given on the examination day for a scheduled course.

iv. Place of Performance

The course will be held at the contractor's facility and the facility will be equipped with the necessary welding equipment to support this training. The NRC reserves the right to visit the offeror's training facility prior to a contract award.

v. Class Size

Class size shall be approximately fifteen (15) students and two (2) optional observers (the Project Officer and/or an individual designated by the Project Officer). Observers will be provided with a copy of the student training materials. These two optional observer positions may be used as regular student positions if the observers designated by the Project Officer do not attend.

vi. Class Hours

Class hours shall start at 8:00 a.m. and end about 4:00 p.m. each day, allowing sixty minutes for a lunch break, with approximately seven hours of instruction time is available per day. Breaks shall be provided at a frequency of approximately ten (10) minutes following each 50 minutes of

instruction. The first class shall begin at 8:00 a.m. on the first scheduled class day, and end at 12:00 p.m. on the last scheduled class day.

vii. Other materials to be provided to the NRC Project Officer/students by the contractor include:

- a) Shipping boxes and shipping expenses for shipping student manuals via the USPS at the book-rate to the student mailing addresses following completion of the course.
- b) A map of the course locality clearly showing the training facility and nearby lodging available to the students. This shall be provided to the NRC Project Officer sixty (60) days prior to the course.

viii. Software Program

All manuals, both instructor and student, and written examinations shall be prepared in Microsoft Word 2003, the NRC word processing software program. Any graphics presentations used in the course will be developed in Microsoft PowerPoint format.

B.2. Standard:

All requirements listed B.1 must be fulfilled for each course.

B.3. Deliverables

i) Pre-Course Submission

Sixty (60) days prior to the start of each course, the contractor shall provide the Project Officer a copy of the following material:

- Course schedule (if different from those provided for previous courses),
- Texts and handouts to be provided to the students (if different from those provided for previous courses),
- Course examination with an answer key.

The Project Officer will provide a review of the material within ten (10) days after receipt from the contractor. The contractor shall correct any deficiencies and resubmit the material within twenty-one (21) days from receipt. NRC approval of the material shall be required at least one (1) week prior to the start of each course.

ii) Post-Course Submission

Within thirty (30) days of completion of a course presentation, the contractor shall submit a Course Presentation Report to the NRC Project Officer. The report shall contain:

- 1) A cover letter discussing accomplishments, problems, and recommendations for improvement. The recommendations shall consider the student evaluations.
- 2) Examination booklets and graded answer sheets (original plus one copy) and a summary of student results including class average and standard deviation.
- 3) Student information sheets providing the student's name, business address, business phone number, name of immediate supervisor, date of the course.
- 4) Student evaluations (original plus one copy) and a summary of student comments.

iii) Reexaminations

A copy of the reexamination shall be submitted to the NRC Project Officer two weeks prior to the date it will be administered. The NRC Project Officer will coordinate administering the reexamination and, within five (5) days after the examinations, return them to the contractor for grading. Whenever possible, these examinations will be given on the examination day for a scheduled course.

B.4. Quality Assurance Plan

100% inspection: The NRC Project officer shall review the Contractor's Pre-Course Material Submission and ensure that all materials submitted meet all requirements. The NRC Project

Officer and/or designee may attend the course for observation. The NRC Project Officer will also review the Course Presentation Report, including the student evaluations.

B.5. Incentives

A 0.05% deduction in total CLIN amount will be taken for each business day late for each deliverable submission.

B.6. Meetings and Travel

Course will be held at Contractor's facility. The Contractor shall provide transportation for all students between the training site and any field exercises or demonstrations.

B.7. NRC Furnished Materials

The NRC will furnish one copy of a student information sheet and a course evaluation form. The student information sheet and course evaluation forms shall be provided to each student at the start of each course.

B.8. Additional Information/Guidance

- i) The NRC will order at least one course during the period of this contract. Additional courses may be ordered if warranted by student demand. It is anticipated that one course per year will be necessary to meet the NRC's training requirement. Courses will be formally scheduled by the NRC Project Officer via a work order signed by both parties.
- ii) Should the NRC determine no later than thirty (30) calendar days prior to the start of a course that the need is insufficient to conduct the training; the NRC may reschedule or cancel the course presentation by written notification to the contractor without obligation to the government.
- iii) The NRC reserves the right to supplement course presentations with NRC technical experts, if available. The Project Officer will notify the contractor in advance of the course presentation if technical experts will be used.
- iv) Student background and experience will vary. The contractor should not assume experience in welding. The NRC Technical Training Center, Chattanooga, TN and the NRC Project Officer will coordinate student attendance.
- v) Exact course dates will be arranged with the contractor at least sixty (60) days before each course.

C. Task 3 – Final Report**C.1. Requirement**

The contractor shall furnish a final report in accordance with NRC Management Directive 11.1. The report shall contain as a minimum the below three requirements:

- i) A technical report of the work completed.
- ii) Any problems or delays encountered and their solutions.
- iii) Recommendations for improvements.

C.2. Standard

All requirements listed in C.1 must be fulfilled.

C.3. Deliverables

The final report shall be submitted thirty days (30) prior to the end date of the contract. One copy shall be sent to the Project Officer and one copy to the Contracting Officer.

C.4. Quality Assurance Plan

100% inspection: The NRC Project Officer will review the final report and ensure that all three minimum requirements are contained in the report.

C.5. Incentive

A 1% deduction in total CLIN amount of Task 3 will be taken for each business day overdue. A 30% deduction in total CLIN amount will be taken for each missing minimum requirement.

C.6. Additional Information/Guidance

The final report and transfer of all government furnished materials and all contract developed materials shall be completed 30 days prior to the contract expiration date.

IV. PERFORMANCE REQUIREMENTS SUMMARY

Task	Deliverable	Quality Assurance Plan (QAP)	Performance Requirement	Incentive/Deduction
Task 1 – Course Development	Course Materials	100% Inspection: All draft and final deliverables will be reviewed by the NRC Project Officer.	1) 100% timely submission of outline, draft, and final course materials. 2) 100% incorporation of NRC comments on draft materials into final submissions.	1) 0.05% deduction in total CLIN amount for each business day late for submissions. 2) 0.05% deduction in total CLIN amount for each comment not incorporated into final submissions.
Task 2 - Instruct/Present the "Welding Technology and Codes" Course	Pre-Course and Post-Course Submissions	100% Inspection: NRC Project Officer review of Pre-Course and Post-Course Material Submissions.	1) 100% timely submission of Pre-Course and Post-Course Material Submissions	1) 0.05% deduction in total CLIN amount for each business day late for each submission.
Task 3 – Final Report	Final Report	100% Inspection: NRC Project Officer review for minimum requirements.	1) 100% timely submission of Final Report. 2) All three stated minimum requirements contained in report.	1) 1% deduction in total CLIN amount for each business day late on submission. 2) 30% deduction in total CLIN amount for each missing minimum requirement.

SECTION D - PACKAGING AND MARKING**D.1 PACKAGING AND MARKING (MAR 1987)**

The Contractor shall package material for shipment to the NRC in such a manner that will ensure acceptance by common carrier and safe delivery at destination. Containers and closures shall comply with the Interstate Commerce Commission Regulations, Uniform Freight Classification Rules, or regulations of other carriers as applicable to the mode of transportation. On the front of the package, the Contractor shall clearly identify the contract number under which the product is being provided.

SECTION E - INSPECTION AND ACCEPTANCE**E.1 NOTICE LISTING CONTRACT CLAUSES INCORPORATED BY REFERENCE**

The following contract clauses pertinent to this section are hereby incorporated by reference (by Citation Number, Title, and Date) in accordance with the clause at FAR "52.252-2 CLAUSES INCORPORATED BY REFERENCE" in Section I of this contract. See FAR 52.252-2 for an internet address (if specified) for electronic access to the full text of a clause.

NUMBER	TITLE	DATE
52.246-4	FEDERAL ACQUISITION REGULATION (48 CFR Chapter 1) INSPECTION OF SERVICES--FIXED-PRICE	AUG 1996

E.2 PLACE OF INSPECTION AND ACCEPTANCE (MAR 1987)

Inspection and acceptance of the deliverable items to be furnished hereunder shall be made by the Project Officer at the destination.

SECTION F - DELIVERIES OR PERFORMANCE**F.1 NOTICE LISTING CONTRACT CLAUSES INCORPORATED BY REFERENCE**

The following contract clauses pertinent to this section are hereby incorporated by reference (by Citation Number, Title, and Date) in accordance with the clause at FAR "52.252-2 CLAUSES INCORPORATED BY REFERENCE" in Section I of this contract. See FAR 52.252-2 for an internet address (if specified) for electronic access to the full text of a clause.

NUMBER	TITLE	DATE
52.242-15	FEDERAL ACQUISITION REGULATION (48 CFR Chapter 1)	
52.247-34	STOP-WORK ORDER	AUG 1989
	F.O.B. DESTINATION	NOV 1991

F.2 DELIVERY SCHEDULE

Task	Deliverable Item	Delivery Date/Time frame
Task 1 – Course Development	Course Materials - Draft Outlines	Draft instructor and student manual outlines within thirty (30) days after initial meeting or within thirty (30) days after receipt of written cancellation of that meeting. The NRC Project Officer will provide his review of the material within ten (10) days of receipt. Correction of any deficiencies and resubmission of material within ten (10) days after receipt of the NRC Project Officer comments.
Task 1 – Course Development	Course Materials - Draft Materials	Two (2) draft copies of the instructor manual, student manual, exam questions, draft problems for use during workshops, and visual aids within sixty (60) days after acceptance of the draft instructor manual outline and the student manual outline. The NRC Project Officer will provide his review of the material within twenty (20) days after receipt from the contractor. Correction of any deficiencies and resubmission of the material within ten (10) days after receipt of the NRC Project Officer comments.
Task 1 – Course Development	Course Materials - Final Copies	Three (3) copies of final course materials and one (1) copy of computer data storage within sixty (60) days after acceptance of the draft materials.
Task 2 – Instruct/Present the "Welding Technology and Codes" Course	Pre-Course Submission	Course schedule, texts and handouts, and course examination and answer key delivered to the NRC Project Officer within sixty (60) days prior to the start of each course. The NRC Project Officer will provide a review of the material within ten (10) days after receipt from the contractor. The contractor shall correct any deficiencies and resubmit the material within twenty-one (21) days from receipt. NRC approval of the material shall be required at least one (1) week prior to the start of each course.
Task 2- Instruct/Present the "Welding Technology and Codes" Course	Course Presentation	Exact course dates will be arranged with the contractor at least sixty (60) days before each course.
Task 2- Instruct/Present the "Welding	Post-Course Submission	Course Presentation Report delivered to the NRC Project Officer within thirty (30) days of completion of a course presentation.

Technology and Codes" Course		
Task 2- Instruct/Present the "Welding Technology and Codes" Course	Reexaminations	One (1) copy of each reexamination submitted to the NRC Project Officer two weeks prior to the date it will be administered. Within five (5) days after the examinations, the NRC Project will return them to the contractor for grading. Results of the equivalency examination delivered to the NRC Project Officer within seven (7) days of receipt of the completed examination.
Task 3 – Final Report	Final Report	One (1) copy submitted thirty days (30) prior to the end date of the contract to both the NRC Project Officer and NRC Contracting Officer.

F.3 DURATION OF CONTRACT PERIOD (MAR 1987) ALTERNATE 4 (JUN 1988)

The ordering period for this contract shall commence on September 30, 2008 and will expire on September 29, 2009. Any orders issued during this period shall be completed within the time specified in the order, unless otherwise specified herein. (See 52.216-18 - Ordering.) The term of this contract may be extended at the option of the Government for an additional 4 one-year options.

SECTION G - CONTRACT ADMINISTRATION DATA**G.1 PROJECT OFFICER AUTHORITY ALTERNATE 2 (FEBRUARY 2004)**

(a) The contracting officer's authorized representative hereinafter referred to as the project officer for this contract is:

Name: Douglas Simpkins
Address: 11555 Rockville Pike
Mail Stop: C-TN
Washington, DC 20555
Telephone Number: (432) 855-6521
Email Address: Douglas.Simpkins@nrc.gov

(b) The project officer shall:

- (1) Monitor contractor performance and recommend changes in requirements to the contracting officer.
- (2) Inspect and accept products/services provided under the contract.
- (3) Review all contractor invoices/vouchers requesting payment for products/services provided under the contract and make recommendations for approval, disapproval, or suspension.
- (4) Immediately notify the Security Branch, Division of Facilities and Security (SB/DFS) (via e-mail) when a contractor employee no longer requires access authorization and return of any NRC issued badge to SB/DFS within three days after their termination.

(c) The project officer may not make changes to the express terms and conditions of this contract.

*To be incorporated into any resultant contract

G.2 ORDERING PROCEDURES (MAY 1991)

(a) In addition to the contracting officer, contract administrator, and project officer, the following individuals are authorized to issue delivery orders under this contract:

Douglas Simpkins

(b) All delivery orders shall be prepared in accordance with FAR 16.506 and may be issued in writing, orally, or by written telecommunications.

SECTION H - SPECIAL CONTRACT REQUIREMENTS**H.1 2052.209-72 CONTRACTOR ORGANIZATIONAL CONFLICTS OF INTEREST (JAN 1993)**

(a) Purpose. The primary purpose of this clause is to aid in ensuring that the contractor:

(1) Is not placed in a conflicting role because of current or planned interests (financial, contractual, organizational, or otherwise) which relate to the work under this contract; and

(2) Does not obtain an unfair competitive advantage over other parties by virtue of its performance of this contract.

(b) Scope. The restrictions described apply to performance or participation by the contractor, as defined in 48 CFR 2009.570-2 in the activities covered by this clause.

(c) Work for others.

(1) Notwithstanding any other provision of this contract, during the term of this contract, the contractor agrees to forego entering into consulting or other contractual arrangements with any firm or organization the result of which may give rise to a conflict of interest with respect to the work being performed under this contract. The contractor shall ensure that all employees under this contract abide by the provision of this clause. If the contractor has reason to believe, with respect to itself or any employee, that any proposed consultant or other contractual arrangement with any firm or organization may involve a potential conflict of interest, the contractor shall obtain the written approval of the contracting officer before the execution of such contractual arrangement. Specifically, the Contractor shall disclose welding technology and codes training courses with the same/similar scope of this contract for 1) any employees/personnel of a licensee responsible for the operation and/or maintenance of a research/test reactor that is licensed by the NRC and/or 2) a commercial licensee/vendor of the NRC.

(2) The contractor may not represent, assist, or otherwise support an NRC licensee or applicant undergoing an NRC audit, inspection, or review where the activities that are the subject of the audit, inspection, or review are the same as or substantially similar to the services within the scope of this contract (or task order as appropriate) except where the NRC licensee or applicant requires the contractor's support to explain or defend the contractor's prior work for the utility or other entity which NRC questions.

(3) When the contractor performs work for the NRC under this contract at any NRC licensee or applicant site, the contractor shall neither solicit nor perform work in the same or similar technical area for that licensee or applicant organization for a period commencing with the award of the task order or beginning of work on the site (if not a task order contract) and ending one year after completion of all work under the associated task order, or last time at the site (if not a task order contract).

(4) When the contractor performs work for the NRC under this contract at any NRC licensee or applicant site,

(i) The contractor may not solicit work at that site for that licensee or applicant during the period of performance of the task order or the contract, as appropriate.

(ii) The contractor may not perform work at that site for that licensee or applicant during the period of performance of the task order or the contract, as appropriate, and for one year thereafter.

(iii) Notwithstanding the foregoing, the contracting officer may authorize the contractor to solicit or perform this type of work (except work in the same or similar technical area) if the contracting officer determines that the situation will not pose a potential for technical bias or unfair competitive advantage.

(d) Disclosure after award.

(1) The contractor warrants that to the best of its knowledge and belief, and except as otherwise set forth in this contract, that it does not have any organizational conflicts of interest as defined in 48 CFR 2009.570-2.

(2) The contractor agrees that if, after award, it discovers organizational conflicts of interest with respect to this contract, it shall make an immediate and full disclosure in writing to the contracting officer. This statement must include a description of the action which the contractor has taken or proposes to take to avoid or mitigate such conflicts. The NRC may, however, terminate the contract if termination is in the best interest of the Government.

(3) It is recognized that the scope of work of a task-order-type contract necessarily encompasses a broad spectrum of activities. Consequently, if this is a task-order-type contract, the contractor agrees that it will disclose all proposed new work involving NRC licensees or applicants which comes within the scope of work of the underlying contract. Further, if this contract involves work at a licensee or applicant site, the contractor agrees to exercise diligence to discover and disclose any new work at that licensee or applicant site. This disclosure must be made before the submission of a bid or proposal to the utility or other regulated entity and must be received by the NRC at least 15 days before the proposed award date in any event, unless a written justification demonstrating urgency and due diligence to discover and disclose is provided by the contractor and approved by the contracting officer. The disclosure must include the statement of work, the dollar value of the proposed contract, and any other documents that are needed to fully describe the proposed work for the regulated utility or other regulated entity. NRC may deny approval of the disclosed work only when the NRC has issued a task order which includes the technical area and, if site-specific, the site, or has plans to issue a task order which includes the technical area and, if site-specific, the site, or when the work violates paragraphs (c)(2), (c)(3) or (c)(4) of this section.

(e) Access to and use of information.

(1) If in the performance of this contract, the contractor obtains access to information, such as NRC plans, policies, reports, studies, financial plans, internal data protected by the Privacy Act of 1974 (5 U.S.C. Section 552a (1988)), or the Freedom of Information Act (5 U.S.C. Section 552 (1986)), the contractor agrees not to:

(i) Use this information for any private purpose until the information has been released to the public;

(ii) Compete for work for the Commission based on the information for a period of six months after either the completion of this contract or the release of the information to the public, whichever is first;

(iii) Submit an unsolicited proposal to the Government based on the information until one year after the release of the information to the public; or

(iv) Release the information without prior written approval by the contracting officer unless the information has previously been released to the public by the NRC.

(2) In addition, the contractor agrees that, to the extent it receives or is given access to proprietary data, data protected by the Privacy Act of 1974 (5 U.S.C. Section 552a (1988)), or the Freedom of Information Act (5 U.S.C. Section 552 (1986)), or other confidential or privileged technical, business, or financial information under this contract, the contractor shall treat the information in accordance with restrictions placed on use of the information.

(3) Subject to patent and security provisions of this contract, the contractor shall have the right to use technical data it produces under this contract for private purposes provided that all requirements of this contract have been met.

(f) Subcontracts. Except as provided in 48 CFR 2009.570-2, the contractor shall include this clause, including this paragraph, in subcontracts of any tier. The terms contract, contractor, and contracting officer, must be appropriately modified to preserve the Government's rights.

(g) Remedies. For breach of any of the above restrictions, or for intentional nondisclosure or misrepresentation of any relevant interest required to be disclosed concerning this contract or for such erroneous representations that necessarily imply bad faith, the Government may terminate the contract for default, disqualify the contractor from subsequent contractual efforts, and pursue other remedies permitted by law or this contract.

(h) Waiver. A request for waiver under this clause must be directed in writing to the contracting officer in accordance with the procedures outlined in 48 CFR 2009.570-9.

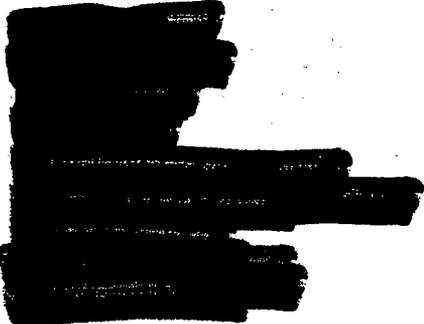
(i) Follow-on effort. The contractor shall be ineligible to participate in NRC contracts, subcontracts, or proposals therefore (solicited or unsolicited), which stem directly from the contractor's performance of work under this contract. Furthermore, unless so directed in writing by the contracting officer, the contractor may not perform any technical consulting or management support services work or evaluation activities under this contract on any of its products or services or the products or services of another firm if the contractor has been substantially involved in the development or marketing of the products or services.

(1) If the contractor, under this contract, prepares a complete or essentially complete statement of work or specifications, the contractor is not eligible to perform or participate in the initial contractual effort which is based on the statement of work or specifications. The contractor may not incorporate its products or services in the statement of work or specifications unless so directed in writing by the contracting officer, in which case the restrictions in this paragraph do not apply.

(2) Nothing in this paragraph precludes the contractor from offering or selling its standard commercial items to the Government.

H.2 2052.215-70 KEY PERSONNEL (JAN 1993)

(a) The following individuals are considered to be essential to the successful performance of the work hereunder:



- Program Manager
- Principal Investigator, Technical Resource, Instructor
- Technical Resource, Instructor
- Technical Resource, Instructor
- Co-Principal Investigator, Technical Resource, Instructor
- Technical Resource, Instructor
- Technical Resource
- Technical Resource
- Technical Resource, Instructor

The contractor agrees that personnel may not be removed from the contract work or replaced without compliance with paragraphs (b) and (c) of this section.

(b) If one or more of the key personnel, for whatever reason, becomes, or is expected to become, unavailable for work under this contract for a continuous period exceeding 30 work days, or is expected to devote substantially less effort to the work than indicated in the proposal or initially anticipated, the contractor shall immediately notify the contracting officer and shall, subject to the concurrence of the contracting officer, promptly replace the personnel with personnel of at least substantially equal ability and qualifications.

(c) Each request for approval of substitutions must be in writing and contain a detailed explanation of the circumstances necessitating the proposed substitutions. The request must also contain a complete resume for the proposed substitute and other information requested or needed by the contracting officer to evaluate the proposed substitution. The contracting officer and the project officer shall evaluate the contractor's request and the contracting officer shall promptly notify the contractor of his or her decision in writing.

(d) If the contracting officer determines that suitable and timely replacement of key personnel who have been reassigned, terminated, or have otherwise become unavailable for the contract work is not reasonably forthcoming, or that the resultant reduction of productive effort would be so substantial as to impair the successful completion of the contract or the service order, the contract may be terminated by the contracting officer for default or for the convenience of the Government, as appropriate. If the contracting officer finds the contractor at fault for the condition, the contract price or fixed fee may be equitably adjusted downward to compensate the Government for any resultant delay, loss, or damage.

H.3 GOVERNMENT FURNISHED EQUIPMENT/PROPERTY (JANUARY 2001)

(a) The NRC will provide the contractor with the following items for use under this contract:

1. The NRC will furnish the contractor with Regulatory Guides, Information Notices, Bulletins and NUREGs, and the previous version of the student and instructor's manuals for the course.

2. Prior to each scheduled course presentation, the NRC will furnish one copy of a student information sheet and a course evaluation form.

(b) Only the equipment/property listed above in the quantities shown will be provided by the Government. The contractor shall be responsible and accountable for all Government property provided under this contract and shall comply with the provisions of the FAR Government Property Clause under this contract and FAR Subpart 45.5, as in effect on the date of this contract. The contractor shall investigate and provide written notification to the NRC Contracting Officer (CO) and the NRC Division of Facilities and Security, Physical Security Branch of all cases of loss, damage, or destruction of Government property in its possession or control not later than 24 hours after discovery. The contractor must report stolen Government property to the local police and a copy of the police report must be provided to the CO and to the Division of Facilities and Security, Physical Security Branch.

(c) All other equipment/property required in performance of the contract shall be furnished by the Contractor.

H.4 SEAT BELTS

Contractors, subcontractors, and grantees, are encouraged to adopt and enforce on-the-job seat belt policies and programs for their employees when operating company-owned, rented, or personally owned vehicles.

H.5 Annual and Final Contractor Performance Evaluations

Annual and final evaluations of contractor performance under this contract will be prepared in accordance with FAR 42.15, "Contractor Performance Information," normally at the time the contractor is notified of the NRC's intent to exercise the contract option. If the multi-year contract does not have option years, then an annual evaluation will be prepared (state time for annual evaluation). Final evaluations of contractor performance will be prepared at the expiration of the contract during the contract closeout process.

The Contracting Officer will transmit the NRC Project Officer's annual and final contractor performance evaluations to the contractor's Project Manager, unless otherwise instructed by the contractor. The contractor will be permitted thirty days to review the document. The contractor may concur without comment, submit additional information, or request a meeting to discuss the performance evaluation. The Contracting Officer may request the contractor's Project Manager to attend a meeting to discuss the performance evaluation.

Where a contractor concurs with, or takes no exception to an annual performance evaluation, the Contracting Officer will consider such evaluation final and releasable for source selection purposes. Disagreements between the parties regarding a performance evaluation will be referred to an individual one level above the Contracting Officer, whose decision will be final.

The Contracting Officer will send a copy of the completed evaluation report, marked "For Official Use Only," to the contractor's Project Manager for their records as soon as practicable after it has been finalized. The completed evaluation report also will be used as a tool to improve communications between the NRC and the contractor and to improve contract performance.

The completed annual performance evaluation will be used to support future award decisions in accordance with FAR 42.1502(a) and 42.1503(c). During the period the information is being used to provide source selection information, the completed annual performance evaluation will be released to only two parties - the Federal government personnel performing the source selection evaluation and the contractor under evaluation if the contractor does not have a copy of the report already.

H.6 Compliance with U.S. Immigration Laws and Regulations

NRC contractors are responsible to ensure that their alien personnel are not in violation of United States Immigration and Naturalization (INS) laws and regulations, including employment authorization documents and visa requirements. Each alien employee of the Contractor must be lawfully admitted for permanent residence as evidenced by Alien Registration Receipt Card Form 1-151 or must present other evidence from the Immigration and Naturalization Services that employment will not affect his/her immigration status. The INS Office of Business Liaison (OBL) provides information to contractors to help them understand the employment eligibility verification process for non-US citizens. This information can be found on the INS website, <http://www.ins.usdoj.gov/graphics/services/employerinfo/index.htm#obl>.

The NRC reserves the right to deny or withdraw Contractor use or access to NRC facilities or its equipment/services, and/or take any number of contract administrative actions (e.g., disallow costs, terminate for cause) should the Contractor violate the Contractor's responsibility under this clause.

(End of Clause)

H.7 WHISTLEBLOWER PROTECTION FOR NRC CONTRACTOR AND SUBCONTRACTOR EMPLOYEES (JULY 2006)

(a) The U.S. Nuclear Regulatory Commission (NRC) contractor and its subcontractor are subject to the Whistleblower Employee Protection public law provisions as codified at 42 U.S.C. 5851. NRC contractor(s) and subcontractor(s) shall comply with the requirements of this Whistleblower Employee Protection law, and the

implementing regulations of the NRC and the Department of Labor (DOL). See, for example, DOL Procedures on Handling Complaints at 29 C.F.R. Part 24 concerning the employer obligations, prohibited acts, DOL procedures and the requirement for prominent posting of notice of Employee Rights at Appendix A to Part 24.

(b) Under this Whistleblower Employee Protection law, as implemented by regulations, NRC contractor and subcontractor employees are protected from discharge, reprisal, threats, intimidation, coercion, blacklisting or other employment discrimination practices with respect to compensation, terms, conditions or privileges of their employment because the contractor or subcontractor employee(s) has provided notice to the employer, refused to engage in unlawful practices, assisted in proceedings or testified on activities concerning alleged violations of the Atomic Energy Act of 1954 (as amended) and the Energy Reorganization Act of 1974 (as amended).

(c) The contractor shall insert this or the substance of this clause in any subcontracts involving work performed under this contract.

PART II - CONTRACT CLAUSES**SECTION I - CONTRACT CLAUSES****I.1 NOTICE LISTING CONTRACT CLAUSES INCORPORATED BY REFERENCE**

The following contract clauses pertinent to this section are hereby incorporated by reference (by Citation Number, Title, and Date) in accordance with the clause at FAR "52.252-2 CLAUSES INCORPORATED BY REFERENCE" in Section I of this contract. See FAR 52.252-2 for an internet address (if specified) for electronic access to the full text of a clause.

NUMBER	TITLE	DATE
	FEDERAL ACQUISITION REGULATION (48 CFR Chapter 1)	
52.202-1	DEFINITIONS	JUL 2004
52.203-3	GRATUITIES	APR 1984
52.203-5	COVENANT AGAINST CONTINGENT FEES	APR 1984
52.203-6	RESTRICTIONS ON SUBCONTRACTOR SALES TO THE GOVERNMENT	SEP 2006
52.203-7	ANTI-KICKBACK PROCEDURES	JUL 1995
52.203-8	CANCELLATION, RESCISSION, AND RECOVERY OF FUNDS FOR ILLEGAL OR IMPROPER ACTIVITY	JAN 1997
52.203-10	PRICE OR FEE ADJUSTMENT FOR ILLEGAL OR IMPROPER ACTIVITY	JAN 1997
52.203-12	LIMITATION ON PAYMENTS TO INFLUENCE CERTAIN FEDERAL TRANSACTIONS	SEP 2007
52.204-4	PRINTED OR COPIED DOUBLE-SIDED ON RECYCLED PAPER	AUG 2000
52.204-7	CENTRAL CONTRACTOR REGISTRATION	APR 2008
52.209-6	PROTECTING THE GOVERNMENT'S INTEREST WHEN SUBCONTRACTING WITH CONTRACTORS DEBARRED, SUSPENDED, OR PROPOSED FOR DEBARMENT	SEP 2006
52.215-2	AUDIT AND RECORDS--NEGOTIATION	JUN 1999
52.215-8	ORDER OF PRECEDENCE--UNIFORM CONTRACT FORMAT	OCT 1997
52.215-14	INTEGRITY OF UNIT PRICES	OCT 1997
52.219-4	NOTICE OF PRICE EVALUATION PREFERENCE FOR HUBZONE SMALL BUSINESS CONCERNS	JUL 2005
52.219-8	UTILIZATION OF SMALL BUSINESS CONCERNS	MAY 2004
52.219-9B	SMALL BUSINESS SUBCONTRACTING PLAN ALTERNATE II (OCT 2001)	APR 2008
52.219-16	LIQUIDATED DAMAGES--SMALL BUSINESS SUBCONTRACTING PLAN	JAN 1999
52.219-25	SMALL DISADVANTAGED BUSINESS PARTICIPATION PROGRAM--DISADVANTAGED STATUS AND REPORTING	APR 2008
52.222-3	CONVICT LABOR	JUN 2003
52.222-21	PROHIBITION OF SEGREGATED FACILITIES	FEB 1999

52.222-26	EQUAL OPPORTUNITY	MAR 2007
52.222-35	EQUAL OPPORTUNITY FOR SPECIAL DISABLED VETERANS, VETERANS OF THE VIETNAM ERA, AND OTHER ELIGIBLE VETERANS	SEP 2006
52.222-36	AFFIRMATIVE ACTION FOR WORKERS WITH DISABILITIES	JUN 1998
52.222-37	EMPLOYMENT REPORTS ON SPECIAL DISABLED VETERANS, VETERANS OF THE VIETNAM ERA, AND OTHER ELIGIBLE VETERANS	SEP 2006
52.222-50	COMBATING TRAFFICKING IN PERSONS	AUG 2007
52.223-6	DRUG-FREE WORKPLACE	MAY 2001
52.225-5	TRADE AGREEMENTS	NOV 2007
52.225-13	RESTRICTIONS ON CERTAIN FOREIGN PURCHASES	JUN 2008
52.227-1	AUTHORIZATION AND CONSENT	DEC 2007
52.227-2	NOTICE AND ASSISTANCE REGARDING PATENT AND COPYRIGHT INFRINGEMENT	DEC 2007
52.228-5	INSURANCE--WORK ON A GOVERNMENT INSTALLATION	JAN 1997
52.229-3	FEDERAL, STATE, AND LOCAL TAXES	APR 2003
52.230-2	COST ACCOUNTING STANDARDS	APR 1998
52.230-6	ADMINISTRATION OF COST ACCOUNTING STANDARDS	MAR 2008
52.232-1	PAYMENTS	APR 1984
52.232-8	DISCOUNTS FOR PROMPT PAYMENT	FEB 2002
52.232-11	EXTRAS	APR 1984
52.232-17	INTEREST	JUN 1996
52.232-18	AVAILABILITY OF FUNDS	APR 1984
52.232-23	ASSIGNMENT OF CLAIMS	JAN 1986
52.232-25	PROMPT PAYMENT	OCT 2003
52.232-33	PAYMENT BY ELECTRONIC FUNDS--CENTRAL CONTRACTOR REGISTRATION	OCT 2003
52.233-1	DISPUTES	JUL 2002
52.233-3	PROTEST AFTER AWARD	AUG 1996
52.233-4	APPLICABLE LAW FOR BREACH OF CONTRACT CLAIM	OCT 2004
52.242-13	BANKRUPTCY	JUL 1995
52.243-1	CHANGES--FIXED PRICE ALTERNATE I (APR 1984)	AUG 1987
52.244-6	SUBCONTRACTS FOR COMMERCIAL ITEMS	MAR 2007
52.245-1A	GOVERNMENT PROPERTY ALTERNATE I (JUNE 2007)	JUN 2007
52.245-9	USE AND CHARGES	JUN 2007
52.246-24	LIMITATION OF LIABILITY--HIGH-VALUE ITEMS	FEB 1997
52.248-1	VALUE ENGINEERING	FEB 2000
52.249-2	TERMINATION FOR CONVENIENCE OF THE GOVERNMENT (FIXED-PRICE)	MAY 2004
52.249-8	DEFAULT (FIXED-PRICE SUPPLY AND SERVICE)	APR 1984
52.253-1	COMPUTER GENERATED FORMS	JAN 1991

I.2 52.216-18 ORDERING (OCT 1995)

(a) Any supplies and services to be furnished under this contract shall be ordered by issuance of delivery orders or task orders by the individuals or activities designated in the Schedule. Such orders may be issued from September 30, 2008 through September 29, 2008.

(b) All delivery orders or task orders are subject to the terms and conditions of this contract. In the event of conflict between a delivery order or task order and this contract, the contract shall control.

(c) If mailed, a delivery order or task order is considered "issued" when the Government deposits the order in the mail. Orders may be issued orally, by facsimile, or by electronic commerce methods only if authorized in the Schedule.

I.3 52.216-19 ORDER LIMITATIONS (OCT 1995)

(a) Minimum order. When the Government requires supplies or services covered by this contract in an amount of less than \$3,000.00, the Government is not obligated to purchase, nor is the Contractor obligated to furnish, those supplies or services under the contract.

(b) Maximum order. The Contractor is not obligated to honor--

(1) Any order for a single item in excess of \$400,000.00;

(2) Any order for a combination of items in excess of \$800,000.00; or

(3) A series of orders from the same ordering office within 30 days that together call for quantities exceeding the limitation in paragraph (b)(1) or (2) of this section.

(c) If this is a requirements contract (i.e., includes the Requirements clause at subsection 52.216-21 of the Federal Acquisition Regulation (FAR)), the Government is not required to order a part of any one requirement from the Contractor if that requirement exceeds the maximum-order limitations in paragraph (b) of this section.

(d) Notwithstanding paragraphs (b) and (c) of this section, the Contractor shall honor any order exceeding the maximum order limitations in paragraph (b), unless that order (or orders) is returned to the ordering office within 5 days after issuance, with written notice stating the Contractor's intent not to ship the item (or items) called for and the reasons. Upon receiving this notice, the Government may acquire the supplies or services from another source.

I.4 52.216-21 REQUIREMENTS (OCT 1995)

(a) This is a requirements contract for the supplies or services specified, and effective for the period stated, in the Schedule. The quantities of supplies or services specified in the Schedule are estimates only and are not purchased by this contract. Except as this contract may otherwise provide, if the Government's requirements do not result in orders in the quantities described as "estimated" or "maximum" in the Schedule, that fact shall not constitute the basis for an equitable price adjustment.

(b) Delivery or performance shall be made only as authorized by orders issued in accordance with the Ordering clause. Subject to any limitations in the Order Limitations clause or elsewhere in this contract, the Contractor shall furnish to the Government all supplies or services specified in the Schedule and called for by orders issued in accordance with the Ordering clause. The Government may issue orders requiring delivery to multiple destinations or performance at multiple locations.

(c) Except as this contract otherwise provides, the Government shall order from the Contractor all the supplies or services specified in the Schedule that are required to be purchased by the Government activity or activities specified in the Schedule.

(d) The Government is not required to purchase from the Contractor requirements in excess of any limit on total orders under this contract.

(e) If the Government urgently requires delivery of any quantity of an item before the earliest date that delivery may be specified under this contract, and if the Contractor will not accept an order providing for the accelerated delivery, the Government may acquire the urgently required goods or services from another source.

(f) Any order issued during the effective period of this contract and not completed within that period shall be completed by the Contractor within the time specified in the order. The contract shall govern the Contractor's and Government's rights and obligations with respect to that order to the same extent as if the order were completed during the contract's effective period; provided, that the Contractor shall not be required to make any deliveries under this contract after 6 months after contract expiration.

I.5 52.217-8 OPTION TO EXTEND SERVICES (NOV 1999)

The Government may require continued performance of any services within the limits and at the rates specified in the contract. These rates may be adjusted only as a result of revisions to prevailing labor rates provided by the Secretary of Labor. The option provision may be exercised more than once, but the total extension of performance hereunder shall not exceed 6 months. The Contracting Officer may exercise the option by written notice to the Contractor within 60 days.

I.6 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 within 60 days; provided that the Government gives the Contractor a preliminary written notice of its intent to extend at least 30 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 five (5) years.

I.7 52.219-28 POST-AWARD SMALL BUSINESS PROGRAM REREPRESENTATION (JUNE 2007)

(a) Definitions. As used in this clause-

Long-term contract means a contract of more than five years in duration, including options. However, the term does not include contracts that exceed five years in duration because the period of performance has been extended for a cumulative period not to exceed six months under the clause at 52.217-8, Option to Extend Services, or other appropriate authority.

Small business concern means a concern, including its affiliates, that is independently owned and operated, not dominant in the field of operation in which it is bidding on Government contracts, and qualified as a small business under the criteria in 13 CFR part 121 and the size standard in paragraph (c) of this clause.

(b) If the Contractor represented that it was a small business concern prior to award of this contract, the Contractor shall rerepresent its size status according to paragraph (e) of this clause or, if applicable, paragraph (g) of this clause, upon the occurrence of any of the following:

(1) Within 30 days after execution of a novation agreement or within 30 days after modification of the contract to include this clause, if the novation agreement was executed prior to inclusion of this clause in the contract.

(2) Within 30 days after a merger or acquisition that does not require a novation or within 30 days after modification of the contract to include this clause, if the merger or acquisition occurred prior to inclusion of this clause in the contract.

(3) For long-term contracts-

(i) Within 60 to 120 days prior to the end of the fifth year of the contract; and

(ii) Within 60 to 120 days prior to the exercise date specified in the contract for any option thereafter.

(c) The Contractor shall rerepresent its size status in accordance with the size standard in effect at the time of this rerepresentation that corresponds to the North American Industry Classification System (NAICS) code assigned to this contract. The small business size standard corresponding to this NAICS code can be found at <http://www.sba.gov/services/contractingopportunities/sizestandardsttopics/>.

(d) The small business size standard for a Contractor providing a product which it does not manufacture itself, for a contract other than a construction or service contract, is 500 employees.

(e) Except as provided in paragraph (g) of this clause, the Contractor shall make the rerepresentation required by paragraph (b) of this clause by validating or updating all its representations in the Online Representations and Certifications Application and its data in the Central Contractor Registration, as necessary, to ensure they reflect current status. The Contractor shall notify the contracting office by e-mail, or otherwise in writing, that the data have been validated or updated, and provide the date of the validation or update.

(f) If the Contractor represented that it was other than a small business concern prior to award of this contract, the Contractor may, but is not required to, take the actions required by paragraphs (e) or (g) of this clause.

(g) If the Contractor does not have representations and certifications in ORCA, or does not have a representation in ORCA for the NAICS code applicable to this contract, the Contractor is required to complete the following rerepresentation and submit it to the contracting office, along with the contract number and the date on which the rerepresentation was completed:

The Contractor represents that it is, is not a small business concern under NAICS Code 611430 assigned to contract number NRC-38-08-702.

[Contractor to sign and date and insert authorized signer's name and title].

1.8 52.222-39 NOTIFICATION OF EMPLOYEE RIGHTS CONCERNING PAYMENT OF UNION DUES OR FEES (DEC 2004)

(a) Definition. As used in this clause--

"United States" means the 50 States, the District of Columbia, Puerto Rico, the Northern Mariana Islands, American Samoa, Guam, the U.S. Virgin Islands, and Wake Island.

(b) Except as provided in paragraph (e) of this clause, during the term of this contract, the Contractor shall post a notice, in the form of a poster, informing employees of their rights concerning union membership and payment of union dues and fees, in conspicuous places in and about all its plants and offices, including all places where notices to employees are customarily posted. The notice shall include the following information (except that the information pertaining to National Labor Relations Board shall not be included in notices posted in the plants or offices of carriers subject to the Railway Labor Act, as amended (45 U.S.C. 151-188)).

Notice to Employees

Under Federal law, employees cannot be required to join a union or maintain membership in a union in order to retain their jobs. Under certain conditions, the law permits a union and an employer to enter into a union-security agreement requiring employees to pay uniform periodic dues and initiation fees. However, employees who are not union members can object to the use of their payments for certain purposes and can only be required to pay their share of union costs relating to collective bargaining, contract administration, and grievance adjustment.

If you do not want to pay that portion of dues or fees used to support activities not related to collective bargaining, contract administration, or grievance adjustment, you are entitled to an appropriate reduction in your payment. If you believe that you have been required to pay dues or fees used in part to support activities not related to collective bargaining, contract administration, or grievance adjustment, you may be entitled to a refund and to an appropriate reduction in future payments.

For further information concerning your rights, you may wish to contact the National Labor Relations Board (NLRB) either at one of its Regional offices or at the following address or toll free number:

National Labor Relations Board
Division of Information
1099 14th Street, N.W.
Washington, DC 20570
1-866-667-6572
1-866-316-6572 (TTY)

To locate the nearest NLRB office, see NLRB's website at <http://www.nlr.gov>.

(c) The Contractor shall comply with all provisions of Executive Order 13201 of February 17, 2001, and related implementing regulations at 29 CFR Part 470, and orders of the Secretary of Labor.

(d) In the event that the Contractor does not comply with any of the requirements set forth in paragraphs (b), (c), or (g), the Secretary may direct that this contract be cancelled, terminated, or suspended in whole or in part, and declare the Contractor ineligible for further Government contracts in accordance with procedures at 29 CFR Part 470, Subpart B--Compliance Evaluations, Complaint Investigations and Enforcement Procedures. Such other sanctions or remedies may be imposed as are provided by 29 CFR Part 470, which implements Executive Order 13201, or as are otherwise provided by law.

(e) The requirement to post the employee notice in paragraph (b) does not apply to--

(1) Contractors and subcontractors that employ fewer than 15 persons;

(2) Contractor establishments or construction work sites where no union has been formally recognized by the Contractor or certified as the exclusive bargaining representative of the Contractor's employees;

(3) Contractor establishments or construction work sites located in a jurisdiction named in the definition of the United States in which the law of that jurisdiction forbids enforcement of union-security agreements;

(4) Contractor facilities where upon the written request of the Contractor, the Department of Labor Deputy Assistant Secretary for Labor-Management Programs has waived the posting requirements with respect to any of the Contractor's facilities if the Deputy Assistant Secretary finds that the Contractor has demonstrated that--

(i) The facility is in all respects separate and distinct from activities of the Contractor related to the performance of a contract; and

(ii) Such a waiver will not interfere with or impede the effectuation of the Executive order; or

(5) Work outside the United States that does not involve the recruitment or employment of workers within the United States.

(f) The Department of Labor publishes the official employee notice in two variations; one for contractors covered by the Railway Labor Act and a second for all other contractors. The Contractor shall--

(1) Obtain the required employee notice poster from the Division of Interpretations and Standards, Office of Labor-Management Standards, U.S. Department of Labor, 200 Constitution Avenue, NW, Room N-5605, Washington, DC 20210, or from any field office of the Department's Office of Labor-Management Standards or Office of Federal-Contract Compliance Programs;

(2) Download a copy of the poster from the Office of Labor- Management Standards website at <http://www.olms.dol.gov>; or

(3) Reproduce and use exact duplicate copies of the Department of Labor's official poster.

(g) The Contractor shall include the substance of this clause in every subcontract or purchase order that exceeds the simplified acquisition threshold, entered into in connection with this contract, unless exempted by the Department of Labor Deputy Assistant Secretary for Labor-Management Programs on account of special circumstances in the national interest under authority of 29 CFR 470.3(c). For indefinite quantity subcontracts, the Contractor shall include the substance of this clause if the value of orders in any calendar year of the subcontract is expected to exceed the simplified acquisition threshold. Pursuant to 29 CFR Part 470, Subpart B--Compliance Evaluations, Complaint Investigations and Enforcement Procedures, the Secretary of Labor may direct the Contractor to take such action in the enforcement of these regulations, including the imposition of sanctions for noncompliance with respect to any such subcontract or purchase order. If the Contractor becomes involved in litigation with a subcontractor or vendor, or is threatened with such involvement, as a result of such direction, the Contractor may request the United States, through the Secretary of Labor, to enter into such litigation to protect the interests of the United States.

I.9 52.252-2 CLAUSES INCORPORATED BY REFERENCE (FEB 1998)

This contract incorporates one or more clauses by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. Also, the full text of a clause may be accessed electronically at this/these address(es):

<http://www.arnet.gov/far>

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

ATTACHMENT NUMBER	TITLE	DATE	NO. PAGES
1	SUGGESTED COURSE OUTLINE		6
2	BILLING INSTRUCTIONS FOR FIXED PRICE CONTRACTS	(JUNE 2008)	2
3	NRC Acquisition Regulation (48 CFR Chapter 20) Subpart 2009.5 Organizational Conflicts of Interest		8

SUGGESTED COURSE OUTLINE**I. ORIENTATION**

- A. Introduction
- B. Objectives
- C. Tour

II. OXY-FUEL HEATING AND CUTTING

- A. Advantages and Limitations
- B. General Oxygen and Fuel Gas Precautions
- C. Storage and Handling of Oxy-Fuel Cylinders
- D. Personal Equipment / Inspector Safety
- E. Setup Procedures /Oxy-Fuel Component Construction
- F. Shutdown Procedures
- G. Metallurgical and Physical Effects of Process
 - 1. Heat Affected Zone
 - 2. Weld Preparation
- H. Cutting Process
 - 1. Cutting Operation
 - 2. Piercing Holes
 - 3. Heating Tips
 - 4. Preheat / Postheat
 - 5. Temperature Crayons
- I. Demonstrations of Oxy-Fuel Heating and Cutting

III. OXYACETYLENE WELDING AND BRAZING

- A. Process Description
- B. Advantages and Limitations
- C. Weld Fit-up
- D. Distortion Control
- E. Metallurgical and Physical Effects of Process
 - 1. Heat Affected Zone
 - 2. Weld Preparation
- F. Code Reference
 - 1. AWS D1.1
 - 2. ASME IX
- G. Demonstrations of Oxyacetylene Welding and Brazing

IV. PLASMA ARC WELDING, CUTTING AND GOUGING

- A. Process Fundamentals
- B. Advantages and Limitations
- C. General Precautions
- D. Personal Equipment / Inspector Safety
- E. Component Construction
- F. Set Up / Shut Down Procedures
- G. Metallurgical and Physical Effects of Process
 - 1. Heat Affected Zone
 - 2. Weld Preparation
- H. Cutting Process
 - 1. Cutting Operation
 - 2. Piercing Holes
- I. Distortion Control
- J. Code Reference

1. AWS D1.1
2. ASME IX.

K. Demonstrations of Plasma Cutting and Gouging

V. AIR CARBON ARC CUTTING AND GOUGING

- A. Process Fundamentals
- B. Advantages and Limitations
- C. Personal Equipment / Inspector Safety
- D. Component Construction
- E. Electrode Types
- F. Metallurgical and Physical Effects of Process
 1. Heat Affected Zone
 2. Weld Preparation
- G. Cutting Process
 1. Cutting Operation
 2. Joint Design / Weld Grooves
 3. Joint Cleanliness
 4. Weld Fit-up
- H. Distortion Control
- I. Code Reference
 1. AWS D1.1
 2. ASME IX.
- J. Demonstrations of Air Carbon Arc Cutting and Gouging

VI. SHIELDED METAL ARC WELDING

- A. Process Fundamentals
- B. Safety Precautions
- C. Advantages and Limitations
- D. Welding Equipment / Power Supplies
- E. Welding Current and Polarity
- F. Duty Cycle
- G. Welding Electrodes
 1. Description and Intended Use of Electrodes
 2. Electrode Care and Storage
- H. Weld Joint Design
 1. Joint Types
 2. Edge Preparation
 3. Weld Fit-up
 4. Weld Positions
 5. Joint Cleanliness
 6. Weld Distortion
- I. Metallurgy Fundamentals
 1. Mechanical and Chemical properties of Steel
 2. Physical Properties
 3. Heat Treatment of Steels
- J. Welding Steels and Other Metals
- K. Weld Defects
- L. Welding Procedures
 1. Procedure Qualification
 2. Welder Qualification
- M. Code Reference
 1. AWS D1.1
 2. ASME IX
- N. Demonstrations of SMAW for Various Joint Configurations

VII. GAS METAL ARC WELDING

- A. Process Fundamentals
- B. Safety Precautions
- C. Advantages and Limitations
- D. Welding Equipment / Power Supplies
- E. Welding Current and Polarity
- F. Duty Cycle
- G. Types of Metal Transfer
- H. Shielding Gases with GMAW
- I. Welding Electrodes
 - 1. Description and Intended Use of Electrodes
 - 2. Electrode Care and Storage
- J. Weld Joint Design
 - 1. Weld Fit-up
 - 2. Weld Positions
 - 3. Joint Cleanliness
 - 4. Weld Distortion
- K. Process Heat Input
- L. Welding Steels and Other Metals
- M. Weld Defects
- N. Welding Procedures
 - 1. Procedure Qualification
 - 2. Welder Qualification
- O. Code Reference
 - 1. AWS D1.1
 - 2. ASME IX
- P. Demonstrations of GMAW for Various Joint Configurations

VIII. FLUX CORED ARC WELDING

- A. Process Fundamentals
- B. Safety Precautions
- C. Advantages and Limitations
- D. Welding Equipment / Power Supplies
- E. Welding Current and Polarity
- F. Duty Cycle
- G. Types of Metal Transfer
- H. Shielding Gases with FCAW
- I. Welding Electrodes
 - 1. Description and Intended Use of Electrodes
 - 2. Electrode Care and Storage
- J. Weld Joint Design
 - 1. Weld Fit-up
 - 2. Weld Positions
 - 3. Joint Cleanliness
 - 4. Weld Distortion
- K. Process Heat Input
- L. Welding Steels and Other Metals
- M. Weld Defects
- N. Welding Procedures
 - 1. Procedure Qualification
 - 2. Welder Qualification
- O. Code Reference
 - 1. AWS D1.1

2. ASME IX

P. Demonstrations of FCAW for Various Joint Configurations

IX. GAS TUNGSTEN ARC WELDING

- A. Process Fundamentals
- B. Safety Precautions
- C. Advantages and Limitations
- D. Welding Equipment / Power Supplies
- E. Welding Current and Polarity
- F. Duty Cycle
- G. Welding Electrodes and Filler Metals
 - 1. Description and Intended Use of Electrodes
 - 2. Electrode Care and Storage
 - 3. Filler Metal Selection and Storage
- H. Weld Joint Design
 - 1. Weld Fit-up
 - 2. Weld Positions
 - 3. Joint Cleanliness
 - 4. Weld Distortion
 - 5. Backing Rings
 - 6. Consumable Inserts
 - 7. Purging Techniques
- I. Welding Steels and Other Metals
 - 1. Carbon Steel Fillers
 - 2. Stainless Steel Fillers
 - 3. Inconel Fillers
 - 4. Nickel Alloy Fillers
- J. Weld Defects
- K. Welding Procedures
 - 1. Procedure Qualification
 - 2. Welder Qualification
- L. Code Reference
 - 1. AWS D1.1
 - 2. ASME IX
- M. Demonstrations of GTAW for Various Joint Configurations

X. SUBMERGED ARC WELDING

- A. Process Fundamentals
- B. Safety Precautions
- C. Advantages and Limitations
- D. Welding Equipment / Power Supplies
- E. Welding Current and Polarity
- F. Duty Cycle
- G. Welding Electrodes and Filler Metals
 - 1. Description and Intended Use of Electrodes
 - 2. Electrode / Flux Care and Storage
 - 3. Filler Metal Selection
- H. Weld Joint Design
 - 1. Weld Fit-up
 - 2. Weld Positions
 - 3. Joint Cleanliness
 - 4. Weld Distortion
- I. Demonstrations of SAW for Various Joint Configurations

XI. RESISTANCE WELDING AND THERMITE WELDING

- A. Process Fundamentals
- B. Advantages and Limitations
- D. Welding Equipment / Power Supplies
- E. Welding Current and Polarity
- F. Code Reference
 - 1. AWS D1.1
 - 2. ASME IX

XII. WELDING INSPECTION

- A. Welding Symbols
- B. Weld Defects and Discontinuities
- C. Destructive Testing
 - 1. *Bend Tests
 - 2. Tensile Tests
 - 3. Hardness Tests
 - 4. Impact Tests
 - 5. *Fillet Break
 - 6. *Nick-Break
- D. Non Destructive Testing
 - 1. *Visual Inspection
 - 2. *Dye Penetrant
 - 3. *Magnetic Particle
 - 4. *Ultrasonic
 - 5. Radiographic
- E. Code Reference
 - 1. AWS D1.1
 - 2. ASME IX
 - 3. ASME III
 - 4. API
 - 5. NCIG-VWAC
 - 6. NRC Guides

Note:* Denotes inspection demonstrations will be performed on process weld samples.

XIII. WELDING METALLURGY

- A. Ferrous and Non-Ferrous Materials
- B. Physical Metallurgy
 - 1. Physical Properties
 - 2. Mechanical Properties
 - 3. Chemical Properties
- C. Phase Diagrams
- D. Crystalline Structures
- E. Heat Input / Interpass Temperature
- F. Dissimilar Metals
 - 1. Cladding / Weld Overlays on BWR Piping
 - 2. Tube / Tube Sheet Welds
- G. Balance of Plant Welding
 - 1. Erosion Rework
- H. Copper / Phosphorus Contents
- I. Caustic Corrosion IGSCC
- J. Fatigue and Other Failure Modes
 - 1. High Cycle Low Stress
 - 2. Brittle Failure

- 3. Leak Before Break
- K. Pre / Post Weld Heat Treatment
 - 1. Reference to ASME III
 - 2. Reference to ASME IX

XIV. WELDING PROCEDURES

- A. Weld Procedure Specification (WPS)
- B. Procedure Qualification Record (PQR)
- C. Welder Qualifications
- D. ASME Code
 - 1. Structure of Section III Construction Code
 - 2. Difference in the Requirements Between Class 1, 2 & 3 Code Items
 - 3. Role of Support Codes, Section II, V & IX Under Construction Code
 - 4. Rules for Code Material Procurement & Control
 - 5. NCA-4000 & NCA-3800 QA Programs
- E. Rework
- F. Case Studies
- G. NRC Guidelines

**BILLING INSTRUCTIONS FOR
FIXED PRICE CONTRACTS (JUNE 2008)**

General: During performance and through final payment of this contract, the contractor is responsible for the accuracy and completeness of data within the Central Contractor Registration (CCR) database and for any liability resulting from the Government's reliance on inaccurate or incomplete CCR data.

The contractor shall prepare vouchers/invoices as prescribed herein. **FAILURE TO SUBMIT VOUCHERS/INVOICES IN ACCORDANCE WITH THESE INSTRUCTIONS WILL RESULT IN REJECTION OF THE VOUCHER/INVOICE AS IMPROPER.**

Form: Claims shall be submitted on the payee's letterhead, voucher/invoice, or on the Government's Standard Form 1034, "Public Voucher for Purchases and Services Other than Personal," and Standard Form 1035, "Public Voucher for Purchases Other than Personal--Continuation Sheet."

Number of Copies: A signed original shall be submitted. If the voucher/invoice includes the purchase of any property with an initial acquisition cost of \$50,000 or more, a copy of the signed original is also required.

Designated Agency Billing Office: The preferred method of submitting vouchers/invoices is electronically to the Department of the Interior at NRCPayments@nbc.gov

If the voucher/invoice includes the purchase of any property with an initial acquisition cost of \$50,000 or more, a copy of the signed original shall be electronically sent to: Property@nrc.gov

However, if you submit a hard-copy of the voucher/invoice, it shall be submitted to the following address:

Department of the Interior
National Business Center
Attn: Fiscal Services Branch - D2770
7301 West Mansfield Avenue
Denver, CO 80235-2230

If you submit a hard-copy of the voucher/invoice and it includes the purchase of any property with an initial acquisition cost of \$50,000 or more, a copy of the signed original shall be mailed to the following address:

U.S. Nuclear Regulatory Commission
NRC Property Management Officer
Mail Stop: O-4D15
Washington, DC 20555-0001

HAND-CARRIED SUBMISSIONS WILL NOT BE ACCEPTED

Agency Payment Office: Payment will continue to be made by the office designated in the contract in Block 12 of the Standard Form 26, Block 25 of the Standard Form 33, or Block 18a. of the Standard Form 1449, whichever is applicable.

Frequency: The contractor shall submit a voucher/invoice only after the NRC's final acceptance of services rendered or products delivered in performance of the contract unless otherwise specified in the contract.

Preparation and Itemization of the Voucher/Invoice: The voucher/invoice shall be prepared in ink or by typewriter (without strike-overs). Corrections or erasures must be initialed. To be considered a proper voucher/invoice, all of the following elements must be included:

1. Contractor's Data Universal Number (DUNS) or DUNS+4 number that identifies the contractor's name and address. The DUNS+4 number is the DUNS number plus a 4-character suffix that may be assigned at the discretion of the contractor to identify alternative Electronic Funds Transfer (EFT) accounts for the same parent concern.

2. Contract number.
3. Sequential voucher/invoice number.
4. Date of voucher/invoice.
5. Payee's name and address. Show the name of the Payee as it appears in the contract and its correct address. If the Payee assigns the proceeds of this contract as provided for in the assignment of claims terms of this contract, the Payee shall require as a condition of any such assignment, that the assignee shall register separately in the Central Contractor Registration (CCR) database at <http://www.ccr.gov> and shall be paid by EFT in accordance with the terms of this contract. See Federal Acquisition Regulation 52.232-33(g) Payment by Electronic Funds Transfer - Central Contractor Registration (October 2003).
6. A description of articles or services, quantity, unit price, and total amount.
7. For contractor acquired property, list each item with an initial acquisition cost of \$50,000 or more and provide: (1) an item description, (2) manufacturer, (3) model number, (4) serial number, (5) acquisition cost, (6) date of purchase, and (7) a copy of the purchasing document.
8. Weight and zone of shipment, if shipped by parcel post.
9. Charges for freight or express shipments. Attach prepaid bill if shipped by freight or express.
10. Instructions to consignee to notify the Contracting Officer of receipt of shipment.
11. For Indefinite Delivery contracts or contracts under which progress payments are authorized, the final voucher/invoice shall be marked "FINAL VOUCHER" OR "FINAL INVOICE."

Currency: Billings may be expressed in the currency normally used by the contractor in maintaining his accounting records and payments will be made in that currency. However, the U.S. dollar equivalent for all vouchers/invoices paid under the contract may not exceed the total U.S. dollars authorized in the contract.

Supersession: These instructions supersede any previous billing instructions.

NRC Acquisition Regulation (48 CFR Chapter 20)

Subpart 2009.5 Organizational Conflicts of Interest

§2009.500 Scope of subpart.

In accordance with 42 U.S.C. 2210a., NRC acquisitions are processed in accordance with §2009.570, which takes precedence over FAR 9.5 with respect to organizational conflicts of interest. Where non-conflicting guidance appears in FAR 9.5, that guidance must be followed.

§2009.570 NRC organizational conflicts of interest.

§2009.570-1 Scope of policy.

(a) It is the policy of NRC to avoid, eliminate, or neutralize contractor organizational conflicts of interest. The NRC achieves this objective by requiring all prospective contractors to submit information describing relationships, if any, with organizations or persons (including those regulated by the NRC) which may give rise to actual or potential conflicts of interest in the event of contract award.

(b) Contractor conflict of interest determinations cannot be made automatically or routinely. The application of sound judgment on virtually a case-by-case basis is necessary if the policy is to be applied to satisfy the overall public interest. It is not possible to prescribe in advance a specific method or set of criteria which would serve to identify and resolve all of the contractor conflict of interest situations that might arise. However, examples are provided in these regulations to guide application of this policy guidance. The ultimate test is as follows: Might the contractor, if awarded the contract, be placed in a position where its judgment may be biased, or where it may have an unfair competitive advantage?

(c) The conflict of interest rule contained in this subpart applies to contractors and offerors only. Individuals or firms who have other relationships with the NRC (e.g., parties to a licensing proceeding) are not covered by this regulation. This rule does not apply to the acquisition of consulting services through the personnel appointment process, NRC agreements with other Government agencies, international organizations, or state, local, or foreign Governments. Separate procedures for avoiding conflicts of interest will be employed in these agreements, as appropriate.

§2009.570-2 Definitions.

Affiliates means business concerns which are affiliates of each other when either directly or indirectly one concern or individual controls or has the power to control another, or when a third party controls or has the power to control both.

Contract means any contractual agreement or other arrangement with the NRC except as provided in §2009.570-1(c).

Contractor means any person, firm, unincorporated association, joint venture, co-sponsor, partnership, corporation, affiliates thereof, or their successors in interest, including their chief executives, directors, key personnel (identified in the contract), proposed consultants or subcontractors, which are a party to a contract with the NRC.

Evaluation activities means any effort involving the appraisal of a technology, process, product, or policy.

Offeror or prospective contractor means any person, firm, unincorporated association, joint venture, co-sponsor, partnership, corporation, or their affiliates or successors in interest, including their chief executives, directors, key personnel, proposed consultants, or subcontractors, submitting a bid or proposal, solicited or unsolicited, to the NRC to obtain a contract.

Organizational conflicts of interest means that a relationship exists whereby a contractor or prospective contractor has present or planned interests related to the work to be performed under an NRC contract which:

- (1) May diminish its capacity to give impartial, technically sound, objective assistance and advice, or may otherwise result in a biased work product; or
- (2) May result in its being given an unfair competitive advantage.

Potential conflict of interest means that a factual situation exists that suggests that an actual conflict of interest may arise from award of a proposed contract. The term potential conflict of interest is used to signify those situations that

- (1) Merit investigation before contract award to ascertain whether award would give rise to an actual conflict; or
- (2) Must be reported to the contracting officer for investigation if they arise during contract performance.

Research means any scientific or technical work involving theoretical analysis, exploration, or experimentation.

Subcontractor means any subcontractor of any tier who performs work under a contract with the NRC except subcontracts for supplies and subcontracts in amounts not exceeding \$10,000.

Technical consulting and management support services means internal assistance to a component of the NRC in the formulation or administration of its programs, projects, or policies which normally require that the contractor be given access to proprietary information or to information that has not been made available to the public. These services typically include assistance in the preparation of program plans, preliminary designs, specifications, or statements of work.

§2009.570-3 Criteria for recognizing contractor organizational conflicts of interest.

(a) General.

(1) Two questions will be asked in determining whether actual or potential organizational conflicts of interest exist:

- (i) Are there conflicting roles which might bias an offeror's or contractor's judgment in relation to its work for the NRC?
- (ii) May the offeror or contractor be given an unfair competitive advantage based on the performance of the contract?

(2) NRC's ultimate determination that organizational conflicts of interest exist will be made in light of common sense and good business judgment based upon the relevant facts. While it is difficult to identify and to prescribe in advance a specific method for avoiding all of the various situations or relationships that might involve potential organizational conflicts of interest, NRC personnel will pay particular attention to proposed contractual requirements that call for the rendering of advice, consultation or evaluation activities, or similar activities that directly lay the groundwork for the NRC's decisions on regulatory activities, future procurements, and research programs. Any work performed at an applicant or licensee site will also be closely scrutinized by the NRC staff.

(b) Situations or relationships. The following situations or relationships may give rise to organizational conflicts of interest:

(1) The offeror or contractor shall disclose information that may give rise to organizational conflicts of interest under the following circumstances. The information may include the scope of work or specification for the requirement being performed, the period of performance, and the name and telephone number for a point of contact at the organization knowledgeable about the commercial contract.

(i) Where the offeror or contractor provides advice and recommendations to the NRC in the same technical area where it is also providing consulting assistance to any organization regulated by the NRC.

(ii) Where the offeror or contractor provides advice to the NRC on the same or similar matter on which it is also providing assistance to any organization regulated by the NRC.

(iii) Where the offeror or contractor evaluates its own products or services, or has been substantially involved in the development or marketing of the products or services of another entity.

(iv) Where the award of a contract would result in placing the offeror or contractor in a conflicting role in which its judgment may be biased in relation to its work for the NRC, or would result in an unfair competitive advantage for the offeror or contractor.

(v) Where the offeror or contractor solicits or performs work at an applicant or licensee site while performing work in the same technical area for the NRC at the same site.

(2) The contracting officer may request specific information from an offeror or contractor or may require special contract clauses such as provided in §2009.570-5(b) in the following circumstances:

- (i) Where the offeror or contractor prepares specifications that are to be used in competitive procurements of products or services covered by the specifications.
- (ii) Where the offeror or contractor prepares plans for specific approaches or methodologies that are to be incorporated into competitive procurements using the approaches or methodologies.
- (iii) Where the offeror or contractor is granted access to information not available to the public concerning NRC plans, policies, or programs that could form the basis for a later procurement action.
- (iv) Where the offeror or contractor is granted access to proprietary information of its competitors.
- (v) Where the award of a contract might result in placing the offeror or contractor in a conflicting role in which its judgment may be biased in relation to its work for the NRC or might result in an unfair competitive advantage for the offeror or contractor.
- (c) Policy application guidance. The following examples are illustrative only and are not intended to identify and resolve all contractor organizational conflict of interest situations.
- (1)(i) Example. The ABC Corp., in response to a Request For Proposal (RFP), proposes to undertake certain analyses of a reactor component as called for in the RFP. The ABC Corp. is one of several companies considered to be technically well qualified. In response to the inquiry in the RFP, the ABC Corp. advises that it is currently performing similar analyses for the reactor manufacturer.
- (ii) Guidance. An NRC contract for that particular work normally would not be awarded to the ABC Corp. because the company would be placed in a position in which its judgment could be biased in relationship to its work for the NRC. Because there are other well-qualified companies available, there would be no reason for considering a waiver of the policy.
- (2)(i) Example. The ABC Corp., in response to an RFP, proposes to perform certain analyses of a reactor component that is unique to one type of advanced reactor. As is the case with other technically qualified companies responding to the RFP, the ABC Corp. is performing various projects for several different utility clients. None of the ABC Corp. projects have any relationship to the work called for in the RFP. Based on the NRC evaluation, the ABC Corp. is considered to be the best qualified company to perform the work outlined in the RFP.
- (ii) Guidance. An NRC contract normally could be awarded to the ABC Corp. because no conflict of interest exists which could motivate bias with respect to the work. An appropriate clause would be included in the contract to preclude the ABC Corp. from subsequently contracting for work with the private sector that could create a conflict during the performance of the NRC contract. For example, ABC Corp. would be precluded from the performance of similar work for the company developing the advanced reactor mentioned in the example.
- (3)(i) Example. The ABC Corp., in response to a competitive RFP, submits a proposal to assist the NRC in revising NRC's guidance documents on the respiratory protection requirements of 10 CFR Part 20. ABC Corp. is the only firm determined to be technically acceptable. ABC Corp. has performed substantial work for regulated utilities in the past and is expected to continue similar efforts in the future. The work has and will cover the writing, implementation, and administration of compliance respiratory protection programs for nuclear power plants.
- (ii) Guidance. This situation would place the firm in a role where its judgment could be biased in relationship to its work for the NRC. Because the nature of the required work is vitally important in terms of the NRC's responsibilities and no reasonable alternative exists, a waiver of the policy, in accordance with §2009.570-9 may be warranted. Any waiver must be fully documented in accordance with the waiver provisions of this policy with particular attention to the establishment of protective mechanisms to guard against bias.
- (4)(i) Example. The ABC Corp. submits a proposal for a new system to evaluate a specific reactor component's performance for the purpose of developing standards that are important to the NRC program. The ABC Corp. has advised the NRC that it intends to sell the new system to industry once its practicability has been demonstrated. Other companies in this business are using older systems for evaluation of the specific reactor component.
- (ii) Guidance. A contract could be awarded to the ABC Corp. if the contract stipulates that no information produced under the contract will be used in the contractor's private activities unless this information has been reported to the NRC. Data on how the reactor component performs, which is reported to the NRC by contractors, will normally be disseminated by the NRC to others to preclude an unfair competitive advantage. When the NRC furnishes information about the reactor

component to the contractor for the performance of contracted work, the information may not be used in the contractor's private activities unless the information is generally available to others. Further, the contract will stipulate that the contractor will inform the NRC contracting officer of all situations in which the information, developed about the performance of the reactor component under the contract, is proposed to be used.

(5)(i) Example. The ABC Corp., in response to a RFP, proposes to assemble a map showing certain seismological features of the Appalachian fold belt. In accordance with the representation in the RFP and §2009.570-3(b)(1)(i), ABC Corp. informs the NRC that it is presently doing seismological studies for several utilities in the eastern United States, but none of the sites are within the geographic area contemplated by the NRC study.

(ii) Guidance. The contracting officer would normally conclude that award of a contract would not place ABC Corp. in a conflicting role where its judgment might be biased. Section 2052.209-72(c) Work for Others, would preclude ABC Corp. from accepting work which could create a conflict of interest during the term of the NRC contract.

(6)(i) Example. AD Division of ABC Corp., in response to a RFP, submits a proposal to assist the NRC in the safety and environmental review of applications for licenses for the construction, operation, and decommissioning of fuel cycle facilities. ABC Corp. is divided into two separate and distinct divisions, AD and BC. The BC Division performs the same or similar services for industry. The BC Division is currently providing the same or similar services required under the NRC's contract for an applicant or licensee.

(ii) Guidance. An NRC contract for that particular work would not be awarded to the ABC Corp. The AD Division could be placed in a position to pass judgment on work performed by the BC Division, which could bias its work for NRC. Further, the Conflict of Interest provisions apply to ABC Corp. and not to separate or distinct divisions within the company. If no reasonable alternative exists, a waiver of the policy could be sought in accordance with §2009.570-9.

(7)(i) Example. The ABC Corp. completes an analysis for NRC of steam generator tube leaks at one of a utility's six sites. Three months later, ABC Corp. is asked by this utility to perform the same analysis at another of its sites.

(ii) Guidance. Section 2052.290-72(c)(3) would prohibit the contractor from beginning this work for the utility until one year after completion of the NRC work at the first site.

(8)(i) Example. ABC Corp. is assisting NRC in a major on-site analysis of a utility's redesign of the common areas between its twin reactors. The contract is for two years with an estimated value of \$5 million. Near the completion of the NRC work, ABC Corp. requests authority to solicit for a \$100K contract with the same utility to transport spent fuel to a disposal site. ABC Corp. is performing no other work for the utility.

(ii) Guidance. The Contracting Officer would allow the contractor to proceed with the solicitation because it is not in the same technical area as the NRC work; and the potential for technical bias by the contractor because of financial ties to the utility is slight due to the relative value of the two contracts.

(9)(i) Example. The ABC Corp. is constructing a turbine building and installing new turbines at a reactor site. The contract with the utility is for five years and has a total value of \$100 million. ABC Corp. has responded to an NRC Request For Proposal requiring the contractor to participate in a major team inspection unrelated to the turbine work at the same site. The estimated value of the contract is \$75K.

(ii) Guidance. An NRC contract would not normally be awarded to ABC Corp. because these factors create the potential for financial loyalty to the utility that may bias the technical judgment of the contractor.

(d) Other considerations.

(1) The fact that the NRC can identify and later avoid, eliminate, or neutralize any potential organizational conflicts arising from the performance of a contract is not relevant to a determination of the existence of conflicts prior to the award of a contract.

(2) It is not relevant that the contractor has the professional reputation of being able to resist temptations which arise from organizational conflicts of interest, or that a follow-on procurement is not involved, or that a contract is awarded on a competitive or a sole source basis.

§2009.570-4 Representation.

(a) The following procedures are designed to assist the NRC contracting officer in determining whether situations or relationships exist which may constitute organizational conflicts of interest with respect to a particular offeror or contractor. The procedures apply to small purchases meeting the criteria stated in the following paragraph (b) of this section.

(b) The organizational conflicts of interest representation provision at §2052.209-71 must be included in solicitations and contracts resulting from unsolicited proposals. The contracting officer must also include this provision for task orders and contract modifications for new work for:

(1) Evaluation services or activities;

(2) Technical consulting and management support services;

(3) Research; and

(4) Other contractual situations where special organizational conflicts of interest provisions are noted in the solicitation and would be included in the resulting contract. This representation requirement also applies to all modifications for additional effort under the contract except those issued under the "Changes" clause. Where, however, a statement of the type required by the organizational conflicts of interest representation provisions has previously been submitted with regard to the contract being modified, only an updating of the statement is required.

(c) The offeror may, because of actual or potential organizational conflicts of interest, propose to exclude specific kinds of work contained in a RFP unless the RFP specifically prohibits the exclusion. Any such proposed exclusion by an offeror will be considered by the NRC in the evaluation of proposals. If the NRC considers the proposed excluded work to be an essential or integral part of the required work and its exclusion would be to the detriment of the competitive posture of the other offerors, the NRC shall reject the proposal as unacceptable.

(d) The offeror's failure to execute the representation required by paragraph (b) of this section with respect to an invitation for bids is considered to be a minor informality. The offeror will be permitted to correct the omission.

§2009.570-5 Contract clauses.

(a) General contract clause. All contracts and simplified acquisitions of the types set forth in §2009.570-4(b) must include the clause entitled, "Contractor Organizational Conflicts of Interest," set forth in §2052.209-72.

(b) Other special contract clauses. If it is determined from the nature of the proposed contract that an organizational conflict of interest exists, the contracting officer may determine that the conflict can be avoided, or, after obtaining a waiver in accordance with §2009.570-9, neutralized through the use of an appropriate special contract clause. If appropriate, the offeror may negotiate the terms and conditions of these clauses, including the extent and time period of any restriction. These clauses include but are not limited to:

(1) Hardware exclusion clauses which prohibit the acceptance of production contracts following a related non-production contract previously performed by the contractor;

(2) Software exclusion clauses;

(3) Clauses which require the contractor (and certain of its key personnel) to avoid certain organizational conflicts of interest; and

(4) Clauses which provide for protection of confidential data and guard against its unauthorized use.

§2009.570-6 Evaluation, findings, and contract award.

The contracting officer shall evaluate all relevant facts submitted by an offeror and other relevant information. After evaluating this information against the criteria of §2009.570-3, the contracting officer shall make a finding of whether organizational conflicts of interest exist with respect to a particular offeror. If it has been determined that real or potential conflicts of interest exist, the contracting officer shall:

(a) Disqualify the offeror from award;

(b) Avoid or eliminate such conflicts by appropriate measures; or

(c) Award the contract under the waiver provision of §2009.570-9.

§2009.570-7 Conflicts identified after award.

If potential organizational conflicts of interest are identified after award with respect to a particular contractor and the contracting officer determines that conflicts do exist and that it would not be in the best interest of the Government to terminate the contract, as provided in the clauses required by §2009.570-5, the contracting officer shall take every reasonable action to avoid, eliminate, or, after obtaining a waiver in accordance with §2009.570-9, neutralize the effects of the identified conflict.

§2009.570-8 Subcontracts.

The contracting officer shall require offerors and contractors to submit a representation statement from all subcontractors (other than a supply subcontractor) and consultants performing services in excess of \$10,000 in accordance with §2009.570-4(b). The contracting officer shall require the contractor to include contract clauses in accordance with §2009.570-5 in consultant agreements or subcontracts involving performance of work under a prime contract.

§2009.570-9 Waiver.

(a) The contracting officer determines the need to seek a waiver for specific contract awards with the advice and concurrence of the program office director and legal counsel. Upon the recommendation of the Senior Procurement Executive, and after consultation with legal counsel, the Executive Director for Operations may waive the policy in specific cases if he determines that it is in the best interest of the United States to do so.

(b) Waiver action is strictly limited to those situations in which:

(1) The work to be performed under contract is vital to the NRC program;

(2) The work cannot be satisfactorily performed except by a contractor whose interests give rise to a question of conflict of interest.

(3) Contractual and/or technical review and surveillance methods can be employed by the NRC to neutralize the conflict.

(c) The justification and approval documents for any waivers must be placed in the NRC Public Document Room.

§2009.570-10 Remedies.

In addition to other remedies permitted by law or contract for a breach of the restrictions in this subpart or for any intentional misrepresentation or intentional nondisclosure of any relevant interest required to be provided for this section, the NRC may debar the contractor from subsequent NRC contracts.