, SOLI		ACT/ORDER FOR COMPLETE BLOCKS 12				-09-417	10.	PAGE 1 OF 8	
2. CONTRACT NO)	3. AWARD/EFFECTIVE DATE	4. ORDER NO.		5. SC	LICITATION	NUMBER	6. SOLICITATION ISSUE DATE	
			NRC-DR-10-0	9-417					
7. FOR SOLICI		a.NAME Jim Leedom		. 7 . 7 . 7 . 7 . 7 . 7 . 7 . 7 . 7 . 7		LEPHONE N -492-361	O. (No Collect Calls)	8. OFFER DUE DATE/LOCAL TIME	
9. ISSUED BY		COD	E 3100	10. THIS ACQUISITION	IIS			1	
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TION UNLESS	PR FOB DESTINA- BLOCK IS	12. DISCOUNT TERMS		13a, THIS CO	NTPACT IS A		13b. RATING		
MARKED SEE SCHEDULE		N/A		RATED ORDER UNDER DPAS (15 CFR 700)			N/A 14. METHOD OF SOLICITATION		
15. DELIVER TO		CODE		16. ADMINISTERED BY			RFQ	IFB RFP	
U.S. Nuclear Regulatory Commission Attn: Susan Cusseaux Mail Stop: T-6-E-46				U.S. Nuclear Regulatory Commission Div. of Contracts Mail Stop: TWB-01-B10M					
	on DC 20555	767763		Washington, DC 20555					
17a. CONTRACTO	DR/OFFEROR CODE 00	L767763 FACILITY CO	DDE	18a. PAYMENT WILL B	E MADE BY			CODE 3100	
AMERICAN SCIENCE AND ENGINEERING, INC. AS&E 829 MIDDLESEX TPKE BILLERICA MA 018213907 TELEPHONE NO. 978-262-8700				Department of Interior / NBC NRCPayments@nbc.gov Attn: Fiscal Services Branch - D2770 7301 W. Mansfield Avenue Denver CO 80235-2230					
17b. CHECK	IF REMITTANCE IS DIFFEREN	T AND PUT SUCH ADDRESS IN OFF	ER	18b. SUBMIT INVOICE	S TO ADDRESS	SHOWN IN		OCK BELOW IS CHECKED	
19. ITEM NO.		20. SCHEDULE OF SUPPLIE	S/SERVICES	-	21. QUANTITY	22. UNIT	23. UNIT PRICE	24. AMOUNT	
	provide the Faci maintenance for systems. AS&E on the Purchase Orde Annual Service Co Serial Numbers: On Annual Service Co Inspection System Serial Numbers: N Period of Perform NRC POC: Susan Co 301-415-6545 Invoices shall be	nance: October 20, 2 usseaux, Susan.Cussea e sent to the address	with on-site ed- ray inspection by incorporated Ray Inspection d GEM-4036 e M66 Model X-I 009 - October 1 ux@nrc.gov; shown in block	quipment n i into Systems Ray		qtr qtr	SUBTOTAL L AWARD AMOUNT (FO	\$21, 084.12 \$14, 997.12 \$36, 081.24	
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=		EFERENCE FAR 52.212-1, 52.212-4. RPORATES BY REFERENCE FAR 52			DENDA	ARE			
28. CONTRA COPIES TO DELIVER AL	CTOR IS REQUIRED TO SIGN ISSUING OFFICE. CONTRACT LITEMS SET FORTH OR OTHE	THIS DOCUMENT AND RETURN OR AGREES TO FURNISH AND RWISE IDENTIFIED ABOVE AND ON ERMS AND CONDITIONS SPECIFIED	IANY ,	X 29. AV DATEI (BLOC	K 5), INCLUDIN	TRACT: REF e 8, 20 G ANY ADDI	AS&E (19	077-3) OFFER FER ON SOLICITATION	
30a. SIGNATURE	OF OFFEROR/CONTRACTOR			31a. UNITED STATES	OF AMERICA (S	ENATURE (DF CONTRACTING OFF	CER)	
30b. NAME AND T	ITLE OF SIGNER (TYPE OR PR	INT) 30c. [PATE SIGNED	31b. NAME OF CONTR. Morie Gui	nter-Hend	erson	R PRINT)	31c. DATE SIGNED	
AUTHORIZED FO	PLOCAL PERPODUCTION			Contract:	ing Offic		TANDADD FORM	140 (77)	

AUTHORIZED FOR LOCAL REPRODUCTION PREVIOUS EDITION IS NOT USABLE

ADDITIONAL SIMPLIFIED ACQUISITION TERMS AND CONDITIONS

A.2 52.212-5 CONTRACT TERMS AND CONDITIONS REQUIRED TO IMPLEMENT STATUTES OR EXECUTIVE ORDERS--COMMERCIAL ITEMS (MAY 2009)

- (a) The Contractor shall comply with the following Federal Acquisition Regulation (FAR) clauses, which are incorporated in this contract by reference, to implement provisions of law or Executive orders applicable to acquisitions of commercial items:
 - (1) 52.222-50, Combatting Trafficking in Persons (FEB 2009) (22 U.S.C. 7104(g)).

Alternate I (AUG 2007) of 52.222-50 (22 U.S.C. 7104 (g)).

- (2) 52.233-3, Protest After Award (Aug 1996) (31 U.S.C. 3553).
- (3) 52.233-4, Applicable Law for Breach of Contract Claim (Oct 2004) (Pub. L. 108-77, 108-78)
- (b) The Contractor shall comply with the FAR clauses in this paragraph (b) that the Contracting Officer has indicated as being incorporated in this contract by reference to implement provisions of law or Executive orders applicable to acquisitions of commercial items:
- [] (1) 52.203-6, Restrictions on Subcontractor Sales to the Government (Sept 2006), with Alternate I (Oct 1995) (41 U.S.C. 253g and 10 U.S.C. 2402).
- [] (2) 52.203-13, Contractor Code of Business Ethics and Conduct (DEC 2008)(Pub. L. 110-252, Title VI, Chapter 1 (41 U.S.C. 251 note)).
- [] (3) 52.203-15, Whistleblower Protections under the American Recovery and Reinvestment Act of 2009 (MAR 2009) (Section 1553 of Pub. L. 111-5). (Applies to contracts funded by the American Recovery and Reinvestment Act of 2009.)
- [] (4) 52.204-11, American Recovery and Reinvestment Act-Reporting Requirements (MAR 2009) (Pub. L. 111-5).
 - [] (5) 52.219-3, Notice of Total HUBZone Set-Aside (Jan 1999) (15 U.S.C. 657a).
- [] (6) 52.219-4, Notice of Price Evaluation Preference for HUBZone Small Business Concerns (July 2005) (if the offeror elects to waive the preference, it shall so indicate in its offer) (15 U.S.C. 657a).
 - [] (7) [Reserved]
 - [] (8)(i) 52.219-6, Notice of Total Small Business Set-Aside (June 2003) (15 U.S.C. 644).
 - [] (ii) Alternate I (Oct 1995) of 52.219-6.
 - [] (iii) Alternate II (Mar 2004) of 52.219-6.
 - [] (9)(i) 52.219-7, Notice of Partial Small Business Set-Aside (June 2003) (15 U.S.C. 644).

- [] (ii) Alternate I (Oct 1995) of 52.219-7.
- [] (iii) Alternate II (Mar 2004) of 52.219-7.
- [] (10) 52.219-8, Utilization of Small Business Concerns (May 2004) (15 U.S.C. 637(d)(2) and (3)).
- [] (11)(i) 52.219-9, Small Business Subcontracting Plan (APR 2008) (15 U.S.C. 637(d)(4)).
- [] (ii) Alternate I (Oct 2001) of 52.219-9.
- [] (iii) Alternate II (Oct 2001) of 52.219-9.
- [] (12) 52.219-14, Limitations on Subcontracting (Dec 1996) (15 U.S.C. 637(a)(14)).
- [] (13) 52.219-16, Liquidated Damages--Subcontracting Plan (Jan 1999) (15 U.S.C. 637(d)(4)(F)(i)).
- [] (14)(i) 52.219-23, Notice of Price Evaluation Adjustment for Small Disadvantaged Business Concerns (OCT 2008) (10 U.S.C. 2323) (if the offeror elects to waive the adjustment, it shall so indicate in its offer.)
 - [] (ii) Alternate I (June 2003) of 52.219-23.
- [] (15) 52.219-25, Small Disadvantaged Business Participation Program--Disadvantaged Status and Reporting (APR 2008) (Pub. L. 103-355, section 7102, and 10 U.S.C. 2323).
- [] (16) 52.219-26, Small Disadvantaged Business Participation Program--Incentive Subcontracting (Oct 2000) (Pub. L. 103-355, section 7102, and 10 U.S.C. 2323).
- [] (17) 52.219-27, Notice of Total Service-Disabled Veteran-Owned Small Business Set-Aside (May 2004) (15 U.S.C. 657 f).
- [] (18) 52.219-28, Post Award Small Business Program Rerepresentation (APR 2009) (15 U.S.C 632(a)(2)).
 - [x] (19) 52.222-3, Convict Labor (June 2003) (E.O. 11755).
 - [x] (20) 52.222-19, Child Labor--Cooperation with Authorities and Remedies (FEB 2008) (E.O. 13126).
 - [x] (21) 52.222-21, Prohibition of Segregated Facilities (Feb 1999).
 - [x] (22) 52.222-26, Equal Opportunity (Mar 2007) (E.O. 11246).
- [] (23) 52.222-35, Equal Opportunity for Special Disabled Veterans, Veterans of the Vietnam Era, and Other Eligible Veterans (Sept 2006) (38 U.S.C. 4212).
 - [x] (24) 52.222-36, Affirmative Action for Workers with Disabilities (Jun 1998) (29 U.S.C. 793).
- [] (25) 52.222-37, Employment Reports on Special Disabled Veterans, Veterans of the Vietnam Era, and Other Eligible Veterans (Sept 2006) (38 U.S.C. 4212).
- [] (26) 52.222-39, Notification of Employee Rights Concerning Payment of Union Dues or Fees (Dec 2004) (E.O. 13201).

- [] (27) 52.222-54, Employment Eligibility Verification (Jan 2009). (Executive Order 12989). (Not applicable to the acquisition of commercially available off-the-shelf items or certain other types of commercial items as prescribed in 22.1803.)
- [] (28)(i) 52.223-9, Estimate of Percentage of Recovered Material Content for EPA-Designated Items (May 2008) (42 U.S.C.6962(c)(3)(A)(ii)). (Not applicable to the acquisition of commercially available off-the-shelf items.)
- [] (ii) Alternate I (MAY 2008) of 52.223-9 (42 U.S.C. 6962(i)(2)(C)). (Not applicable to the acquisition of commercially available off-the-shelf items.)
 - [] (29) 52.223-15, Energy Efficiency in Energy-Consuming Products (DEC 2007)(42 U.S.C. 8259b).
- [] (30)(i) 52.223-16, IEEE 1680 Standard for the Environmental Assessment of Personal Computer Products (DEC 2007) (E.O. 13423).
 - [] (ii) Alternate I (DEC 2007) of 52.223-16.
 - [x] (31) 52.225-1, Buy American Act--Supplies (FEB 2009) (41 U.S.C. 10a-10d).
- [x] (32)(i) 52.225-3, Buy American Act--Free Trade Agreements-- Israeli Trade Act (FEB 2009) (41 U.S.C. 10a-10d, 19 U.S.C. 3301 note, 19 U.S.C. 2112 note, Pub. L 108-77, 108-78, 108-286, 109-53 and 109-169).
 - [] (ii) Alternate I (Jan 2004) of 52.225-3.
 - [] (iii) Alternate II (Jan 2004) of 52.225-3.
 - [] (33) 52.225-5, Trade Agreements (MAR 2009) (19 U.S.C. 2501, et seq., 19 U.S.C. 3301 note).
- [x] (34) 52.225-13, Restrictions on Certain Foreign Purchases (JUN 2008) (E.O.'s, proclamations, and statutes administered by the Office of Foreign Assets Control of the Department of the Treasury).
 - [] (35) 52.226-4, Notice of Disaster or Emergency Area Set-Aside (Nov 2007) (42 U.S.C. 5150).
- [] (36) 52.226-5, Restrictions on Subcontracting Outside Disaster or Emergency Area (Nov 2007) (42 U.S.C. 5150).
- [] (37) 52.232-29, Terms for Financing of Purchases of Commercial Items (Feb 2002) (41 U.S.C. 255(f), 10 U.S.C. 2307(f)).
- [] (38) 52.232-30, Installment Payments for Commercial Items (Oct 1995) (41 U.S.C. 255(f), 10 U.S.C. 2307(f)).
- [x] (39) 52.232-33, Payment by Electronic Funds Transfer--Central Contractor Registration (Oct 2003) (31 U.S.C. 3332).
- [] (40) 52.232-34; Payment by Electronic Funds Transfer--Other than Central Contractor Registration (May 1999) (31 U.S.C. 3332).
 - [] (41) 52.232-36, Payment by Third Party (May 1999) (31 U.S.C. 3332).
 - [] (42) 52.239-1, Privacy or Security Safeguards (Aug 1996) (5 U.S.C. 552a).

- [] (43)(i) 52.247-64, Preference for Privately Owned U.S.-Flag Commercial Vessels (Feb 2006) (46 U.S.C. Appx. 1241(b) and 10 U.S.C. 2631).
 - [] (ii) Alternate I (Apr 2003) of 52.247-64.
- (c) The Contractor shall comply with the FAR clauses in this paragraph (c), applicable to commercial services, that the Contracting Officer has indicated as being incorporated in this contract by reference to implement provisions of law or Executive orders applicable to acquisitions of commercial items:
 - [] (1) 52.222-41, Service Contract Act of 1965 (Nov 2007) (41 U.S.C. 351, et seq.).
- [] (2) 52.222-42, Statement of Equivalent Rates for Federal Hires (May 1989) (29 U.S.C. 206 and 41 U.S.C. 351, et seq.).

Employee Class

Monetary Wage-Fringe Benefits

- [] (3) 52.222-43, Fair Labor Standards Act and Service Contract Act--Price Adjustment (Multiple Year and Option Contracts) (Nov 2006) (29 U.S.C. 206 and 41 U.S.C. 351, et seg.).
- [] (4) 52.222-44, Fair Labor Standards Act and Service Contract Act--Price Adjustment (Feb 2002) (29 U.S.C. 206 and 41 U.S.C. 351, et seq.).
- [] (5) 52.222-51, Exemption from Application of the Service Contract Act to Contracts for Maintenance, Calibration, or Repair of Certain Equipment--Requirements (Nov 2007) (41 U.S.C. 351, et seq.).
- [] (6) 52.222-53, Exemption from Application of the Service Contract Act to Contracts for Certain Services---Requirements (FEB 2009) (41 U.S.C. 351, et seq.).
- [] (7) 52.226-6, Promoting Excess Food Donation to Nonprofit Organizations. (MAR 2009)(Pub. L. 110-247)
 - [] (8) 52.237-11, Accepting and Dispensing of \$1 Coin (SEP 2008) (31 U.S.C. 5112(p)(1)).
- (d) Comptroller General Examination of Record. The Contractor shall comply with the provisions of this paragraph (d) if this contract was awarded using other than sealed bid, is in excess of the simplified acquisition threshold, and does not contain the clause at 52.215-2, Audit and Records--Negotiation.
- (1) The Comptroller General of the United States, or an authorized representative of the Comptroller General, shall have access to and right to examine any of the Contractor's directly pertinent records involving transactions related to this contract.
- (2) The Contractor shall make available at its offices at all reasonable times the records, materials, and other evidence for examination, audit, or reproduction, until 3 years after final payment under this contract or for any shorter period specified in FAR Subpart 4.7, Contractor Records Retention, of the other clauses of this contract. If this contract is completely or partially terminated, the records relating to the work terminated shall be made available for 3 years after any resulting final termination settlement. Records relating to appeals under the disputes clause or to litigation or the settlement of claims arising under or relating to this contract shall be made available until such appeals, litigation, or claims are finally resolved.

- (3) As used in this clause, records include books, documents, accounting procedures and practices, and other data, regardless of type and regardless of form. This does not require the Contractor to create or maintain any record that the Contractor does not maintain in the ordinary course of business or pursuant to a provision of law.
- (e)(1) Notwithstanding the requirements of the clauses in paragraphs (a), (b), (c), and (d) of this clause, the Contractor is not required to flow down any FAR clause, other than those in this paragraph (e)(1) in a subcontract for commercial items. Unless otherwise indicated below, the extent of the flow down shall be as required by the clause--
- (i) 52.203-13, Contractor Code of Business Ethics and Conduct (DEC 2008) (Pub. L. 110-252, Title VI, Chapter 1 (41 U.S.C. 251 note)).
- (ii) 52.219-8, Utilization of Small Business Concerns (May 2004) (15 U.S.C. 637(d)(2) and (3)), in all subcontracts that offer further subcontracting opportunities. If the subcontract (except subcontracts to small business concerns) exceeds \$550,000 (\$1,000,000 for construction of any public facility), the subcontractor must include 52.219-8 in lower tier subcontracts that offer subcontracting opportunities.
 - (iii) [Reserved]
 - (iv) 52.222-26, Equal Opportunity (Mar 2007) (E.O. 11246).
- (v) 52.222-35, Equal Opportunity for Special Disabled Veterans, Veterans of the Vietnam Era, and Other Eligible Veterans (Sept 2006) (38 U.S.C. 4212).
 - (vi) 52.222-36, Affirmative Action for Workers with Disabilities (June 1998) (29 U.S.C. 793).
- (vii) 52.222-39, Notification of Employee Rights Concerning Payment of Union Dues or Fees (Dec 2004) (E.O. 13201).
 - (viii) 52.222-41, Service Contract Act of 1965 (Nov 2007) (41 U.S.C. 351, et seg.).
 - (ix) 52.222-50, Combating Trafficking in Persons (FEB 2009) (22 U.S.C. 7104(g)).
 - Alternate I (AUG 2007) of 52.222-50 (22 U.S.C. 7104(g)).
- (x) 52.222-51, Exemption from Application of the Service Contract Act to Contracts for Maintenance, Calibration, or Repair of Certain Equipment--Requirements "(Nov 2007)" (41 U.S.C. 351, et seq.).
- (xi) 52.222-53, Exemption from Application of the Service Contract Act to Contracts for Certain Services-Requirements (FEB 2009)(41 U.S.C. 351, et seq.).
 - (xii) 52.222-54, Employee Eligibility Verification (JAN 2009)
- (xiii) 52.226-6, Promoting Excess Food Donataion to Nonprofit Organizations. (MAR 2009)(Pub. L. 110-247). Flow down required in accordance with paragraph (e) of FAR clause 52.226-6.
- (xiv) 52.247-64, Preference for Privately Owned U.S.-Flag Commercial Vessels (Feb 2006) (46 U.S.C. Appx. 1241(b) and 10 U.S.C. 2631). Flow down required in accordance with paragraph (d) of FAR clause 52.247-64.
- (2) While not required, the contractor may include in its subcontracts for commercial items a minimal number of additional clauses necessary to satisfy its contractual obligations.

A.3 NOTICE LISTING CLAUSES INCORPORATED BY REFERENCE

The following clauses 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" contained in this document. FAR 52.252-2 contains the internet address for electronic access to the full text of a clause.

NUMBER	TITLE	DATE
	FEDERAL ACQUISITION REGULATION (48 CFR C	hapter 1)
52.204-7	CENTRAL CONTRACTOR REGISTRATION	APR 2008
52.212-4	CONTRACT TERMS AND CONDITIONS	MAR 2009
	COMMERCIAL ITEMS	
52.223-6	DRUG-FREE WORKPLACE	MAY 2001
52.233-1	DISPUTES	JUL 2002
52.233-4	APPLICABLE LAW FOR BREACH OF	OCT 2004
	CONTRACT CLAIM	
52.237-2	PROTECTION OF GOVERNMENT BUILDINGS,	APR 1984
	EQUIPMENT, AND VEGETATION	

A.4 NRC Acquisition Clauses - (NRCAR) 48 CFR Ch. 20

A.5 CONSIDERATION AND OBLIGATION--FIRM FIXED PRICE (JUN 1988)

The firm fixed price of this contract is \$36,081.24.

A.6 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.

A.7 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)

A.8 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.