

**ORDER FOR SUPPLIES OR SERVICES**

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

BPA NO.

1. DATE OF ORDER <b>JUN 27 2006</b>		2. CONTRACT NO. (if any) NRC-04-04-062		6. SHIP TO:	
3. ORDER NO. TASK ORDER 004		4. REQUISITION/REFERENCE NO. RES-C06-611		a. NAME OF CONSIGNEE U.S. Nuclear Regulatory Commission Attn: Ronald Emrit	
5. ISSUING OFFICE (Address correspondence to) U.S. Nuclear Regulatory Commission Div. of Contracts Attn: Jeffrey R. Mitchell, 301-415-6465 Mail Stop T-7-I-2 Washington, DC 20555				b. STREET ADDRESS Mail Stop: T10-K44 11555 Rockville Pike	
7. TO:		c. CITY Rockville		d. STATE MD	e. ZIP CODE 20852
a. NAME OF CONTRACTOR INFORMATION SYSTEMS LABORATORIES, INC				f. SHIP VIA	
b. COMPANY NAME ATTN: DR. JAMES F. MEYER				8. TYPE OF ORDER	
c. STREET ADDRESS 11140 ROCKVILLE PIKE, SUITE 500				<input type="checkbox"/> a. PURCHASE <input checked="" type="checkbox"/> b. DELIVERY Reference your _____ Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated. Except for billing instructions on the reverse, this delivery/task order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.	
d. CITY ROCKVILLE		e. STATE MD		f. ZIP CODE 20852	
9. ACCOUNTING AND APPROPRIATION DATA 6-60-15-113-277 N6262 252A 31x0200.660 Obligate: \$137,000.00 Contractors DUNS: 107928806				10. REQUISITIONING OFFICE RES	
11. BUSINESS CLASSIFICATION (Check appropriate box(es))				12. F.O.B. POINT Destination	
<input type="checkbox"/> a. SMALL		<input checked="" type="checkbox"/> b. OTHER THAN SMALL		<input type="checkbox"/> c. DISADVANTAGED	
<input type="checkbox"/> d. WOMEN-OWNED		<input type="checkbox"/> e. HUBZone		<input type="checkbox"/> f. EMERGING SMALL BUSINESS	
<input type="checkbox"/> g. SERVICE-DISABLED VETERAN-OWNED					
13. PLACE OF		14. GOVERNMENT B/L NO.		15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date)	
a. INSPECTION		b. ACCEPTANCE		N/A	
				16. DISCOUNT TERMS Net 30	

17. SCHEDULE (See reverse for Rejections)

See CONTINUATION Page

ITEM NO. (A)	SUPPLIES OR SERVICES (B)	QUANTITY ORDERED (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)	QUANTITY ACCEPTED (G)
	Task Order No. 4 Entitled "Identification and Prioritization of changes to Regulatory Guidance to Support Implementation of 10 CFR 20.1406"  This confirms the verbal authorization provided to ISL on June 14, 2006 to begin work under the subject task order, effective June 14, 2006 with a temporary ceiling of \$30,000.00.  In accordance with Section G.3 entitled "Task Order Procedures" of the subject contract, this order definitizes Task Order No. 4. This effort shall be performed in accordance with the enclosed Statement of Work.  Task Order No. 4 shall be effective June 14, 2006 through June 13, 2008 with a total cost ceiling of \$174,687.00. The amount of \$163,912.00 represents the reimbursable costs the amount of \$10,775.00 represents the fixed fee.					

18. SHIPPING POINT		19. GROSS SHIPPING WEIGHT		20. INVOICE NO.	
21. MAIL INVOICE TO:					
a. NAME U.S. Nuclear Regulatory Commission Payment Team, Mail Stop T-7-I-1					
b. STREET ADDRESS (or P.O. Box) Attn: (NRC-04-04-062-004)					
c. CITY Washington		d. STATE DC		e. ZIP CODE 20555	

17(h)  
TOTAL  
(Cont.  
pages)

17(i).  
GRAND  
TOTAL

22. UNITED STATES OF AMERICA  
BY (Signature)

*Donald A. King*

23. NAME (Typed)  
Donald A. King  
Contracting Officer

TITLE: CONTRACTING/ORDERING OFFICER

**ORDER FOR SUPPLIES OR SERVICES  
SCHEDULE - CONTINUATION**

PAGE NO.  
2

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DATE OF ORDER	CONTRACT NO. NRC-04-04-062	ORDER NO. TASK ORDER 004
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ITEM NO. (A)	SUPPLIES OR SERVICES (B)	QUANTITY ORDERED (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)	QUANTITY ACCEPTED (G)
	<p>Total NRC Obligations: \$137,000.00 Task Order No. 4: \$174,687.00</p> <p>The issuance of this task order does not amend any other terms or conditions of the subject contract.</p> <p>Please indicate your acceptance of this Task Order No. 4. Accepted</p> <p>Name <u><i>[Signature]</i></u> Title <u>V.P.</u> Date <u>6/29/06</u></p>					

TOTAL CARRIED FORWARD TO 1ST PAGE (ITEM 17(H))



**TASK ORDER TERMS AND CONDITIONS**

NOT SPECIFIED IN THE CONTRACT

**A.1 NRC Acquisition Clauses - (NRCAR) 48 CFR Ch. 20**

**A.2 Other Applicable Clauses**

See Addendum for the following in full text (if checked)

52.216-18, Ordering

52.216-19, Order Limitations

52.216-22, Indefinite Quantity

52.217-6, Option for Increased Quantity

52.217-7, Option for Increased Quantity Separately Priced Line Item

52.217-8, Option to Extend Services

52.217-9, Option to Extend the Term of the Contract

**A.3 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.

**STATEMENT OF WORK  
NRC-04-04-062  
TASK ORDER NO. 4**

**TITLE: Identification and Prioritization of Changes to Regulatory Guidance to Support Implementation of 10 CFR 20.1406**

**1. BACKGROUND**

Regulatory guides describe acceptable methods that licensees can use to implement and demonstrate compliance with specific parts of the Commission's regulations, as well as the techniques that the staff uses to evaluate specific problems or postulated accidents and the data that the staff needs to review applications for permits or licenses. Within that broad description, the existing guides are grouped into 10 divisions, which focus on (1) power reactors, (2) research and test reactors, (3) fuels and materials facilities, (4) environmental and siting, (5) materials and plant protection, (6) products, (7) transportation, (8) occupational health, (9) antitrust and financial review, and (10) general guidance. Currently, there are about 352 regulatory guides.

NRC has periodically updated the regulatory guides to reflect the changes in regulations, technology advancement, industry practices, or consensus standards. As a result of the Energy Policy Act of 2005, the agency is completing its regulatory infrastructure to enhance the effectiveness, efficiency, and predictability (i.e., stability) of any potential new nuclear power plant licensing. As part of this agency effort, in coordination with the Office of Nuclear Reactor Regulation (NRR) and the Office of Nuclear Material Safety and Safeguards (NMSS), the Office of Nuclear Regulatory Research (RES) is undertaking a systematic evaluation and revision of regulatory guides. The guides will be supporting the Standard Review Plans for the "Review of Safety Analysis Reports for Nuclear Power Plants" (NUREG-0800); "Environmental Standard Review Plan" (NUREG-1555); and "Guidelines for Preparing and Reviewing Applications for the Licensing of Research and Test Reactors" (NUREG-1537). This Task Order will be addressing, in particular, the range and scope of changes which will be necessary to bring relevant regulatory guidance into compliance with Section 20.1406 of Chapter 10 of the Code of Federal Regulations. This section, which is part of the license termination rule, establishes a general requirement for all license applicants after August 20, 1997, to "describe in the application how facility design and procedures for operation will minimize, to the extent practicable, contamination of the facility and the environment, facilitate eventual decommissioning, and minimize, to the extent practicable, the generation of radioactive waste."

**2. OBJECTIVE**

The objective of this task is to acquire expert technical assistance services to support the RES regulatory guides update by identifying those regulatory guides which must add material to specifically address section 10 CFR 20.1406 and/or defining the scope of new regulatory guidance which should be developed to facilitate compliance with the broad scope and intent of 10 CFR 20.1406. In addition, lessons learned from decommissioning must be identified so that these lessons can be incorporated into the design, operation, and eventual decommissioning of future nuclear facilities.

### **3. TECHNICAL AND OTHER SPECIAL QUALIFICATIONS REQUIRED**

The personnel assigned to this effort shall be knowledgeable and experienced in the areas of health physics, engineering, and environmental sciences important to reviewing and assessing the content of license applications for construction, operation, and decommissioning and shall have experience involving review or development of regulatory guidance for nuclear power plants and materials licensees. In addition, these personnel shall have knowledge and understanding of: (1) research and test reactors, (2) occupational health, (3) fuels and materials facilities, (4) environmental impact analysis and siting, (5) transportation, and (6) decommissioning.

The contractor shall assign a Program Manager (PM), to coordinate and manage all resources required for completion of the efforts under Task Order 4. The ISL PM will serve as the single point of contact to NRC for the program outputs.

It is the responsibility of the contractor to assign technical staff, subcontractors, or specialists who have the required educational background, experience, or combination thereof to meet both the technical and regulatory objectives of the work specified in this Statement of Work (SOW). The NRC will rely on representations made by the contractor concerning the qualifications of personnel assigned to this task order including assurance that all information contained in the technical and cost proposals, including resumes, is accurate and truthful.

If any work will be subcontracted or performed by consultants, the contractor shall obtain written approval from the NRC Project Manager (PM) of the subcontractor or consultant before initiating any subcontract. Conflict of interest considerations shall apply to any subcontracted effort.

### **4. CONFLICT OF INTEREST**

The contractor shall review this proposed project and provide information to the NRC that describes the dollar value, period of performance, organization, and scope of work for any past, ongoing, or planned contractor efforts that are the same as, or substantially similar to, the services within the scope of this agreement (or task order) and are being performed for NRC licensees, vendors, industry groups or research institutes that represent or are substantially comprised of nuclear utilities. The NRC will use the information to determine if performance of the effort in this SOW will give rise to a conflict of interest with respect to any work performed for others by the contractor.

### **5. SCOPE OF WORK**

Evaluate Division 1, 4 and 8 regulatory guides to identify situations in which additional guidance must be provided in order to assure compliance with 10 CFR 20.1406.

a. Background: The contractor shall evaluate the Statement of Considerations for the license termination rule to assure that the principle staff involved in the review are knowledgeable about both the content of 10 CFR 20.1406 and the rationale behind its implementation. After completion of this review, the contractor will review (1) experience with decommissioning, (2) waste management programs at nuclear power and materials facilities, and (3) history of contamination at NRC licensed facilities. In the review of lessons learned, the contractor shall

identify ways in which (1) facility design and (2) facility operations can be utilized to facilitate decommissioning, minimize waste, and minimize contamination.

b. **Regulatory Guide Review:** To determine the need for regulatory guidance for implementation of 10 CFR 20.1406, the contractor shall review existing guidance and the lessons learned through operational experience and decommissioning. Specifically, the contractor will systematically review the regulatory guides of Divisions 1, 4, and 8 to identify:

1. Gaps where no guidance currently exists for addressing 10 CFR 20.1406 issues and where development of a new regulatory guide would be appropriate,
2. Instances where the guidance should be expanded to address 10 CFR 20.1406 concerns with regard to minimizing contamination or minimizing the generation of waste,
3. Situations where a single revision of existing regulatory guides with appropriate cross references would make the revision process more efficient.

c. **Scope of implementation:** For each instance in which the need for a modification has been identified, provide an estimate of the resources necessary to carry out the modification.

d. **Prioritization:** In consultation with NRC staff and based on criteria provided by NRC staff, develop a rationale for scheduling proposed modifications or new guidance and apply this rationale to the results of the guidance review and resource estimate.

## 6. DELIVERABLES

The following chart provides proposed dates for the completion of the work discussed above and describes the expected product:

Milestone	Deliverable	Due Date
Summarize results of review of 20.1406 and lessons learned from experience	Letter Report	4 months after initiation of this task order
Summarize the regulatory guides which need to be modified or created to assist in the implementation of 20.1406 and the resource estimate for each	Letter Report	6 months after initiation of this task order
Develop a draft rationale for identifying and scheduling proposed regulatory guide revisions	Letter Report	6 months after initiation of this task order

Provide final report identifying and scheduling proposed regulatory guide revisions	Letter Report	8 months after initiation of this task order
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## 8. REPORTING REQUIREMENTS

A Monthly Letter Status Report (MLSR) is to be submitted to the NRC Project Manager, Dr. Edward O'Donnell, by the 20<sup>th</sup> of each month with copies provided to the following:

- (1) Technical Monitor: Dr. Edward O'Donnell (Mail Stop T-9C34)
- (2) Division of Systems Analysis and Regulatory Effectiveness, Management Analyst, Mail Stop T-10E32)
- (3) Division of Contracts, Office of Administration (Mail Stop T-7 I2)

The MLSR will identify the title of the project, the job code, the Principal Investigator, the period of performance, the reporting period, summarize each month's technical progress, list monthly spending, total spending to date, and the remaining funds. Any administrative or technical difficulties which may affect the schedule or costs of the project shall be immediately brought to the attention of the NRC Project Manager.

The NRC has implemented a new document management system, Agency wide Documents Access and Management System (ADAMS). For the present, contractors' mail will not be placed in ADAMS. All documents mailed to the NRC (e.g., letters, technical reports, monthly letter reports, and other mail) should have "Addressee Only" on the envelope to keep it from being entered into ADAMS. Send mail for the addressee and cc's as separate mailings.

## 9. MEETINGS AND TRAVEL REQUIREMENTS

The contractor will travel to NRC headquarters for the meetings, as needed. Technical meetings will include the following:

- (1) team meetings (average of 2-days per month)
- (2) public meetings (two 1-day meetings)

## 10. PERIOD OF PERFORMANCE

The period of performance is from June 14, 2006 through June 13, 2008

## 11. TECHNICAL DIRECTION

Technical direction will be provided by the following NRC staff:

Dr. Edward O'Donnell, Technical Monitor  
 Mail Stop: T-9C34  
 U. S. Nuclear Regulatory Commission  
 Rockville, MD 20555-0001



Phone: (301) 415-6265  
Fax: (301) 415-5385  
Email: [EXO@nrc.gov](mailto:EXO@nrc.gov)

## 12. PUBLICATIONS

RES encourages the publication of the scientific results from RES-sponsored programs in refereed scientific and engineering journals as appropriate. If the laboratory proposes to publish in the open literature or present the information at meeting in addition to submitting the required technical reports, approval of the proposed article or presentation should be obtained from the NRC Project Manager. The RES Project Manager shall either approve the material as submitted, approve it subject to NRC suggested revisions, or disapprove it. In any event, the RES Project Manager may disapprove or delay presentation or publication of papers on information that is subject to Commission approval that has not been ruled upon or which has been disapproved. Additional information regarding the publication of NRC sponsored research is contained in NRC Management Directives 3.8, "Unclassified Contractor and Grantee Publications in the NUREG Series," and 3.9, "NRC Staff and Contractor Speeches, Papers, and Journal Articles on Regulatory and Technical Subjects."

If the presentation or paper is in addition to the required technical reports and the RES Project Manager determines that it will benefit the RES project, the Project Manager may authorize payment of travel and publishing costs, if any, from the project funds. If the Project Manager determines that the article or presentation would not benefit the RES project, the costs associated with the preparation, presentation, or publication will be borne by the contractor. For any publication or presentations falling into this category, the NRC reserves the right to require that such presentation or publication will not identify the NRC's sponsorship of the work.

### NEW STANDARDS FOR CONTRACTORS WHO PREPARE NUREG-SERIES MANUSCRIPTS

The NRC will begin to capture its official records electronically on January 1, 2000. The NRC will capture each final NUREG-series publication in its native application. Therefore, commencing January 1, 2000, please submit your final manuscript that has been approved by your NRC Project Officer in both electronic and camera-ready copy.

All format guidance, as specified in NUREG-0650, Revision 2, will remain the same with one exception. You will no longer be required to include the NUREG-series designator on the bottom of each page of the manuscript. The NRC will assign this designator when we send the camera-ready copy to the printer and will place the designator on the cover, title page, and spine. The designator for each report will no longer be assigned when the decision to prepare a publication is made. The NRC's Publishing Services Branch will inform the NRC Project Officer for the publication of the assigned designator when the final manuscript is sent to the printer.

For the electronic manuscript, prepare the text in WordPerfect 10, and use any of the following file types for charts, spreadsheets, and the like.

<b>File Types to be Used for NUREG-Series Publications</b>	
<b>File Type</b>	<b>File Extension</b>
WordPerfect®	.wpd

Microsoft® PowerPoint®	.ppt
Corel® QuattroPro®	wb3
Corel® Presentations	.shw
Lotus® 1-2-3	.wk4
Portable Document Format	.pdf

This list is subject to change if new software packages come into common use at NRC or by our licensees or other stakeholders that participate in the electronic submission process. If a portion of your manuscript is from another source and you cannot obtain an acceptable electronic file type for this portion (e.g., an appendix from an old publication), the NRC can, if necessary, create a tagged image file format (file extension .tif) for that portion of your report. Note that you should continue to submit original photographs, which will be scanned, since digitized photographs do not print well.

If you chose to publish a compact disk (CD) of your publication, place on the CD copies of the manuscript in both (1) a portable document format (PDF); (2) a WordPerfect 8/9 file format, and (3) an Adobe Acrobat Reader, or, alternatively, print instructions for obtaining a free copy of Adobe Acrobat Reader on the back cover insert of the jewel box.

### **13. QUALITY ASSURANCE**

Section 515 of the Treasury and General Government Appropriations Act for Fiscal Year 2001 (Public Law 106-554) directs the Office of Management and Budget (OMB) to issue government-wide guidelines (Federal Register, Volume 67, No. 36, pp. 8452 - 8460) that "provide policy and procedural guidance to federal agencies for ensuring and maximizing the quality, objectivity, utility, and integrity of information (including statistical information) disseminated by federal agencies." NRC Information Quality Guidelines are provided in the Federal Register, Vol. 67, No. 190, pp. 61695 - 61699.

### **14. NRC-FURNISHED MATERIAL**

No materials are to be furnished by the NRC during the performance of the work required by this Task Order.

### **15. SUBCONTRACTING/CONSULTANT INFORMATION**

Describe any technical support effort that is proposed to be performed by a subcontractor or consultant. Identify the level of effort, by task, of any proposed subcontractor or consultant and provide an explanation of the need for subcontracting that portion of the effort. For any subcontract or consultant effort, describe the following:

- the necessity of subcontracting,
- the tasks the subcontractor or consultant will perform,
- the level of effort proposed for the subcontract effort,
- the status and expected time frame for selection, and
- the method of selection of the subcontractor or consultant.

**16. EXPECTED CLASSIFICATION OR SENSITIVITY**

All work under this project is expected to be unclassified and not sensitive.