

ORDER FOR SUPPLIES OR SERVICES

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

BPA NO.

1. DATE OF ORDER APR 27 2006		2. CONTRACT NO. (if any) NRC-03-03-038		6. SHIP TO:		
3. ORDER NO. T023		MODIFICATION NO.		a. NAME OF CONSIGNEE U.S. Nuclear Regulatory Commission Office of Nuclear Reactor Regulation		
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 Attn: Bernard L. Grenier, 301-415-2726 Mail Stop: O9-E3		
7. TO:				c. CITY Washington	d. STATE DC	e. ZIP CODE 20555
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	
d. CITY ROCKVILLE				e. STATE MD	f. ZIP CODE 20852	
9. ACCOUNTING AND APPROPRIATION DATA 620-15-111-113 J-3286 252A 31x0200.620 Obligate \$8,494.00 Contractors DUNS: 107928806				10. REQUISITIONING OFFICE NRR.		
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"/> g. SERVICE-DISABLED VETERAN-OWNED			
<input type="checkbox"/> d. WOMEN-OWNED	<input type="checkbox"/> e. HUBZone	<input type="checkbox"/> f. EMERGING SMALL BUSINESS				
13. PLACE OF		14. GOVERNMENT B/L NO.	15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date)		16. DISCOUNT TERMS Net 30	
a. INSPECTION	b. ACCEPTANCE					

17. SCHEDULE (See reverse for Rejections)

ITEM NO. (A)	SUPPLIES OR SERVICES (B)	QUANTITY ORDERED (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)	QUANTITY ACCEPTED (G)
	Issuance of Task Order No. 23, Under Contract No. NRC-03-03-038 Title: "Technical Assistance in Support of the Resolution of Issues Related to Strainer Design and Testing Associated with Generic Safety Issue (GSI) 191" Period of Performance: 03/30/2006 through 05/31/2006 Estimated Reimbursable Cost: \$8,040.00 Fixed Fee: \$454.00 TOTAL COST AND FEE: \$8,494.00 Funding in the amount of \$8,494.00 is provided. Therefore, this task order is fully funded. See attached pages for a description of the Task Order No.23					

18. SHIPPING POINT		19. GROSS SHIPPING WEIGHT		20. INVOICE NO.		17(h) TOTAL (Cont. pages)
21. MAIL INVOICE TO:						
a. NAME U.S. Nuclear Regulatory Commission Payment Team, Mail Stop T-9-H-4						
b. STREET ADDRESS (or P.O. Box) Attn: (NRC-03-03-038 Task Order No. 23)						
c. CITY Washington		d. STATE DC	e. ZIP CODE 20555	8,494.00		17(i). GRAND TOTAL
22. UNITED STATES OF AMERICA BY (Signature) 				23. NAME (Typed) Donald A. King Contracting Officer TITLE: CONTRACTING/ORDERING OFFICER		

This confirms the verbal authorization that was provided to Information Systems Laboratories, Inc., on 3/30/2006, to begin work under the subject task order, with a temporary ceiling of \$8,494.00

In accordance with Section G.4, Task Order Procedures, of contract no. NRC-03-03-038, this definitizes Task Order No. 023. The effort shall be performed in accordance with the attached Statement of Work.

Task Order No. 023 shall be in effect from March 30, 2006 through May 31, 2006, with a cost ceiling of \$8,494.00. The amount of \$8,040.00 represents the estimated reimbursable costs, and the amount of \$454.00 represents the fixed fee.

The issuance of this task order does not amend any terms or conditions of the subject contract.

Your contacts during the course of this task order are:


Technical Matter: Bernard L. Grenier
Project Officer
301-415-2726

Contractual Matters: Jeffrey R. Mitchell
Contract Specialist
301-415-6465

Acceptance of Task Order No. 023 should be made by having an official, authorized to bind your organization, execute three copies of this document in the space provided and return two copies to the Contract Specialist at the address identified in Block No. 5 of the OF 347. You should retain the third copy for your records.

ACCEPTANCE:

NAME


V.P.

TITLE

DATE

4/28/06

Statement of Work for Task Order 23
(JCN J-3286) under ISL Contract No. NRC-03-03-038

Title: Technical Assistance in Support of the Resolution of Issues Related to Strainer Design and Testing Associated with Generic Safety Issue (GSI) 191

Technical Monitor: Shanlai Lu, 301-415-2869; E-mail: SXL2@NRC.GOV

TAC Number: MC9003

BACKGROUND

NRC has issued Generic Letter (GL) 2004-02 requesting all PWR vendors to evaluate the potential ECCS Suction/containment sump clogging during design bases LOCA accident. Through this GL, licensees are required to proceed to resolve the GSI-191 issue for each PWR plant. The NRC staff, through audit of licensees' responses to GL-2004-02, are reviewing licensees' implementation of the GL, specifically of the new sump designs in accordance with NRC requirements. During the audit, the staff has identified emerging technical issues, such as near field effect, prototype head loss testing procedures and small strainer submergence.

To address these issues, the NRC staff will meet with GE during the last week of February, 2006, to observe the on-going strainer head loss tests as part of NRC's audit activity in this area.

OBJECTIVE

The objective of this task order is to obtain engineering expertise from ISL to assist the staff in determining the technical adequacy of the industry's technical position(s) in addressing the emerging issues associated with GSI-191 in the area noted above.

TECHNICAL AND OTHER SPECIAL QUALIFICATIONS REQUIRED

One expert Mechanical Engineer on a part-time, intermittent basis who possesses in-depth knowledge and understanding of ECCS systems and performance analysis and possesses in-depth knowledge of and experience in the performance of evaluations pertaining to GSI-191 issues associated with PWR/BWR ECCS sump screen designs and downstream effect evaluation.

WORK REQUIREMENTS

Task

Evaluate the information gathered at the February 28, 2006, meeting at NRC HQs (attended under Task Order 22) pertaining to GE strainer testing procedure and the staff's questions on the testing procedures and the scaling tests referenced above and prepare a technical letter report.

Completion Schedule

Two weeks after authorization of work.

PERIOD OF PERFORMANCE

The period of performance is from March 30, 2006 through May 31, 2006.

DELIVERABLES

Technical Reporting Requirements

NOTE: The report is to be submitted electronically using WordPerfect 10.0 (Font Arial regular 11 point) or compatible software program to the Technical Monitor with a copy provided to the Project Officer.

At the completion of work, submit a technical letter report that contains a summary of the significant highlights of the meeting reflecting insights on technical issues and recommendations for resolutions of the issues addressed at the meeting.

NOTE: Care should be taken to avoid the inclusion of any proprietary information in the report.

MEETINGS AND TRAVEL

None.

NRC-FURNISHED MATERIALS

None. However, the NRC Safety Evaluation, "GSI-191 SE, Revision 0, "Pressurized Water Reactor Containment Sump Evaluation Methodology" dated December 6, 2004, and GL-2004-02, "Potential Impact of Debris Blockage on Emergency Recirculation During Design Basis Accidents at Pressurized-Water Reactors," dated September 13, 2004, can be found at the following web site:

<http://www.nrc.gov/reactors/operating/ops-experience/pwr-sump-performance.html>

OTHER APPLICABLE INFORMATION

License Fee Recovery

The work to be performed under this task order is not licensee fee recoverable.

Assumptions and Understandings

It is assumed that ISL has all the other required documentation, reports, etc. necessary to perform the work.

The level of effort assumption is based on the staff's understanding of the work that is typically required for technical evaluation of the testing procedures and scaling tests and the preparation of the report.

DELIVERY 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.