

ORDER FOR SUPPLIES OR SERVICES

PAGE OF PAGES

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

BPA NO NRC-DE-03-10-064

1 DATE OF ORDER 4/16/2011	2 CONTRACT NO (if any) GS23F0146K	6 SHIP TO
3 ORDER NO NRC-1001	4 REQUISITION/REFERENCE NO NRR-11-108 111780	a NAME OF CONSIGNEE U.S. Nuclear Regulatory Commission
5 ISSUING OFFICE (Address correspondence to) U.S. Nuclear Regulatory Commission Div. of Contracts Attn: Jeffrey K. Mitchell, 301-493-3639 Mail Stop: TWS-01-B10M Washington, DC 20555		b STREET ADDRESS Attn: April Bucher Mail Stop: 013-C2 11555 Rockville Pike
7 TO		c CITY Rockville
		d STATE MD
		e ZIP CODE 20852
		f SHIP VIA

a NAME OF CONTRACTOR URS SAFETY MANAGEMENT SOLUTIONS, L.L.C. URS	6 TYPE OF ORDER <input type="checkbox"/> a PURCHASE <input checked="" type="checkbox"/> b DELIVERY
b COMPANY NAME	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
c STREET ADDRESS 3131 B CENTENNIAL AVE	Except for billing instructions on the reverse this delivery 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 AIXEN	
e STATE SC	
f ZIP CODE 298037680	
9 ACCOUNTING AND APPROPRIATION DATA 3011-x0300-20-11-4-178 J4373 252A 31x0200.120 Obligate \$16,800.00 DUNS: 968430645 NAICS: 541690 FAMIS: 111780	10 REQUISITIONING OFFICE NRR

11 BUSINESS CLASSIFICATION (Check appropriate box(es)) <input type="checkbox"/> a SMALL <input 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 SERVICE-DISABLED VETERAN-OWNED	12 F.O.B POINT N/A
13 PLACE OF a INSPECTION b ACCEPTANCE	14 GOVERNMENT BIL. NO 15 DELIVER TO F.O.B. POINT ON OR BEFORE (Date) 16 DISCOUNT TERMS

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)
	In accordance with Section A.16 entitled "Task Order Procedures" of the subject contract, this order defines Task Order No. 1. This effort shall be performed in accordance with the enclosed Statement of Work. Task Order No. 1 entitled "Technical Assistance for the Review of Research and Test Reactor Licensing Actions JCN J-4373, Task Order No. 1, University of Missouri Flux-trap Irradiations Reactivity Safety Trip License Amendment" The issuance of this task order does not amend any other terms or conditions of the subject contract.					

18 SHIPPING POINT	19 GROSS SHIPPING WEIGHT	20 INVOICE NO
21 MAIL INVOICE TO		
SEE BILLING INSTRUCTIONS ON REVERSE	a NAME Department of Interior / NBC NRCPayments@nrc.gov	17(h) TOTAL (Cont. pages)
	b. STREET ADDRESS (or P.O. Box) Attn: Fiscal Services Branch - D2770 7301 W. Mansfield Avenue	17(i) GRAND TOTAL
	c CITY Denver	d. STATE CO
	e. ZIP CODE 80235-2230	
22 UNITED STATES OF AMERICA BY (Signature)	23 NAME (Typed) Jeffrey K. Mitchell Contracting Officer TITLE CONTRACTING OFFICER	

In accordance with the Terms and Conditions, TASK ORDER PROCEDURES, of the subject contract, Task Order No. 01 is definitized. The effort shall be performed in accordance with the attached Statement of Work.

CONSIDERATION AND OBLIGATION--COST REIMBURSEMENT (JUN 1988)

(a) The total estimated cost to the Government for full performance under this contract is \$34,785.30.

(b) The amount obligated by the Government with respect to this contract is \$16,800.00. 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.

DURATION OF CONTRACT PERIOD (MAR 1987)

This contract shall commence on Day of Award and will expire January 31, 2012.

PRICE/COST SCHEDULE

The following is a summary of the labor categories, number of hours and hourly labor rates.

Task Order No. 1				
TASK 1 CLIN	LABOR CATEGORY	EST. HOURS	RATES (FIXED)	ESTIMATED LABOR
001	Senior Principal Advisor / PM	[REDACTED]	[REDACTED]	[REDACTED]
002	Senior Consultant / SME	[REDACTED]	[REDACTED]	[REDACTED]
003	Technical Advisor / SME	[REDACTED]	[REDACTED]	[REDACTED]
			Sub Total (Labor)	\$30,777.30

Task 1 Travel Estimate		
Line Item	Category	Total Estimated Costs
006	Travel (Cost Reimbursable) The government will pay up to the rates specified in the Government Federal Travel Regulations (FTR) for travel destination. NO PAYMENT WILL BE MADE WITHOUT BACKUP DOCUMENTATION/RECEIPTS. *All travel must be approved in advance by the NRC Project Officer.*	[REDACTED]
Estimated Total Travel		[REDACTED]

TOTAL ESTIMATED AMOUNT (TASK ORDER 1)	\$34,785.30
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Your contacts during the course of the work order are:

Technical Matters: April Bucher, Project Officer
301-415-5142

Contractual Matters: Jeffrey R. Mitchell, Contract Specialist
301-492-3639

The issuance of this work order does not amend any terms or conditions of the delivery order under the GSA FSS Contract.

Accepted Task Order No. 01:

William D. DiJuly
NAME

Sr. Contract Manager
Title

4/11/11
Date

Statement of Work

JCN J-4373, Task Order 1

TITLE: Technical Assistance for the Review of Research and Test Reactor Licensing Actions, JCN J-4373, Task Order No. 1, University of Missouri Flux-trap Irradiations Reactivity Safety Trip License Amendment

JCN: J-4373

B&R NUMBER: 2011-x0200- 20-11-4-178

PROJECT OFFICER: April Bucher, (301) 415-5142

TECHNICAL MONITORS: Alexander Adams, Jr., (301) 415-1127
Linh Tran, (301) 415-4103

TAC NUMBER: ME1876

1. BACKGROUND

The U. S. Nuclear Regulatory Commission's (NRC) Office of Nuclear Reactor Regulation (NRR) is responsible for the licensing and regulatory oversight of civilian nuclear power reactors and research and test reactors in the United States. NRR implements regulations and develops and implements policies, programs, and procedures pertaining to all aspects of licensing and inspection of these facilities. One of NRR's responsibilities is to evaluate and process requests for licensing actions, including applications for license amendment, from research and test reactor (RTR) licensees.

The University of Missouri – Columbia (UMC or the licensee) has applied for a license amendment to Facility License No. R-103 for the Missouri University Research Reactor (MURR). The license amendment requests changes to the technical specifications (TSs) to allow installation and use of the Flux-trap Irradiations Reactivity Safety Trip (FIRST) system. This task order (TO) will complete the review of the safety analysis and proposed Technical Specifications (TSs) for the amendment.

2. OBJECTIVE

The objective of this TO is to obtain technical expertise from URS Safety Management Solutions (URS) staff to assist the NRC in determining the technical adequacy of the University of Missouri – Columbia license amendment request, in accordance with review guidance provided in NUREG-1537, Part 2, "Guidance for Preparing and Reviewing Applications for the Licensing of Non-Power Reactors."

URS has begun the evaluation of this license amendment request as part of the evaluation of the application for license renewal from the University of Missouri being performed under a different contract. The licensee has requested that the review be completed independent of the license renewal application. The objective of the TO is to complete the evaluation that had been started as part of the license renewal work.

3. TECHNICAL AND OTHER SPECIAL QUALIFICATIONS REQUIRED

A team of up to three members who collectively possess the following expertise, knowledge and practical experience with all aspects of RTR technology, knowledge and practical experience in areas such as system and nuclear engineering, core physics, thermal hydraulics, fuel analyses, health physics. One member shall serve solely as a facilitator to provide project management support. The personnel assigned to this task order shall be familiar with the work performed on the ongoing license renewal review of University of Missouri – Columbia.

4. WORK REQUIREMENTS AND SCHEDULE

<u>Tasks</u>	<u>Scheduled Completion</u>
1. Participate in kick off meeting via conference call to discuss information relating to the status and licensing process of the license renewal review of University of Missouri – Columbia. Participate in related topics, as required.	Two weeks after contract award
2. Using the regulatory guidance discussed in NUREG-1537, Part 2 "Guidance for Preparing and Reviewing Applications for the Licensing of Non-Power reactors, review the licensee's latest response to the last RAI issuance relating to the University of Missouri – Columbia license amendment application. Prepare a review plan. a. Draft. b. Incorporate NRC comments and prepare the final review plan.	One week after completion of Task 1 One week after completion of Task 2b

WORK REQUIREMENTS AND SCHEDULE (CONTINUED)

<u>Tasks</u>	<u>Scheduled Completion</u>
<p>3. Based on the requirements of 10CFR Parts 20, 30, 40, 50 and 70, as appropriate and requirements contained in NUREG-1537, Part 2 "Guidance for Preparing and Reviewing Applications for the Licensing of Non-Power reactors, determine the University of Missouri's conformance to the regulatory requirements. Document the evaluative analysis of the licensee's conformity to the above requirements and regulations. Identify where additional information is needed. Prepare a SE input.</p> <p>a. Draft</p> <p>b. Incorporate NRC comments and prepare a revised draft SE input.</p>	<p>Three weeks after completion of Task 2b</p> <p>One week after receipt of NRC comments</p>
<p>4. Based on the review performed in Task 3, Identify any additional information needed to resolve open items. Participate in telephone conference calls with the licensee, as necessary, to ensure that the application is well understood and the resulting responses can be expected to assure a comprehensive evaluation of the application. Prepare RAIs.</p> <p>a. Draft</p> <p>b. Incorporate NRC comments and prepare final RAIs</p>	<p>Two weeks after completion of Task 3b</p> <p>One week after receipt of NRC comments</p>
<p>5. Review the applicant's RAI responses, as appropriate, and perform additional assessments, as appropriate. Identify any additional information needed to resolve the previous open items. Participate in telephone conference calls with the applicant, as necessary, to ensure that the issues are well understood, and arrive to at an acceptable path to resolution.</p> <p>a. Revision to Draft SE Input report</p> <p>b. Incorporate NRC comments and prepare Final SE input report.</p>	<p>Two weeks after receipt of final RAI responses</p> <p>Two weeks after receipt of NRC comments</p>

6. Meetings and Travel

Provide related support to NRC as necessary, to include but not limited to; responding to questions relating to the final SE input report, attend follow up meetings or hearings with the NRC to discuss results of application review and assisting the NRC staff in the resolution of outstanding issues from those meetings.

Support shall not exceed 80 hours.

7. Period of Performance

The period of performance is from Day of Award through January 31, 2012.

8. REPORTING REQUIREMENTS

Monthly Letter Status Reports

URS shall submit a Monthly Letter Status Report by the 15th of each month. The report shall provide the technical and financial status of the contract. This includes an itemization of hours spent by each labor category for each assigned task. URS shall submit the report electronically to the following: NRC Project Officer, April Bucher at April.Bucher@nrc.gov; and the NRC Technical Monitors, Alexander Adams, Jr. at Alexander.Adams@nrc.gov and Lihn.Tran@nrc.gov. A hard copy of the report shall be mailed to the NRC contracting officer. The format of this report is contained in Attachment 1.

The technical status section of the report shall contain a summary of the work performed under the Task order during the reporting period; milestones reached, or if missed, an explanation why; any problems or delays encountered or anticipated with URS's recommendations for resolution; and planned work for the next reporting period. The status shall include information on travel during the period (if any) to include trip start and end dates, destination, and travelers for each trip.

The financial status section of the report shall include the total award amount and funds obligated to date; total costs incurred in the reporting period, and total cumulative costs incurred to date. The status shall also contain the balance of obligations remaining at the end of the period and balance of funds required to complete the TO.

Technical Reporting Requirements

NOTE: All reports are to be prepared in Microsoft ® Office Word 2007, or Compatible format and submitted electronically to the Technical Monitors with a copy provided to the Project Manager. The transmittal letter and cover page shall contain the contract number, task order number, NRC technical assignment control (TAC) number, and the facility name and docket number, as appropriate, the job code number (JCN), and the title of the task order.

1. At the completion of Task 2, submit a draft review plan, draft and final as appropriate which shall include; the scope of the review, milestones to be completed and expected completion dates, any changes to the proposed staffing plan and resource loading data.
2. At the completion of Task 3, submit a revised draft SE input which contains the results of the preliminary evaluation with possible open items in a draft SE input report that contains the following: the applicable regulation requirements or standards, an assessment of the adequacy of the applicant's conformity to applicable regulation requirements, discuss the applicant's method for satisfying the regulations or standards, and provide an analysis of whether the licensee's method conform to the applicable regulations and standards.
3. At the completion of Task 4, submit the list of RAI's which **clearly articulates** the basis for the need for the need for further information or discussion.
4. At the completion of Task 5, submit a Safety Evaluation Input, revised and final as appropriate, which incorporates NRC staff's written comments reflecting clarifications and decisions reached.

9. NRC FURNISHED MATERIALS

The NRC TM will provide URS with a copy of the latest RAI input from the licensee, a copy of replies to RAI, if RAIs are needed, as they are received from the licensee.

10. License Fee Recovery

All work specified in this SOW is not subject to license fees

11. Assumptions and Understandings

The scope of the related support activity and the amount of hours to be used shall be agreed upon between the URS project Manager and the NRC TM before starting the activity. The NRC TM shall confirm the request, assistance due date, and estimated level of effort for the specific activity by email to URS with a copy to the NRC Project officer.

12. ATTACHMENTS

1. Sample Monthly Status Report
2. Quality Assurance Surveillance Plan

Attachment 1

**Sample
Monthly Status Report for Month
Under JCN-.....**

A. Task Order Identification and Financial Summary Information

Contract Number JCN Number Task Order Number

J-

Project Title:

Project Manager

NRC Technical Monitor

NRC Project Manager XXXXXX (301) 415-xxxx

Total Award Amount:

Funds Obligated to Date:

Total Costs Incurred This Reporting Period

Total Costs Incurred This Reporting Period

Indirect:

Cumulative Costs to Date:

Percent Expended (Cum Cost/Obligated):

Balance of Obligated Funds Remaining:

Balance of Fund Required for Completion:

Period of Performance:

FY2011	10/10	11/10	12/10	1/11	2/11	3/11	4/11	5/11	6/11	7/11	8/11	9/11	Total
Planned													
Revised Plan													
Actual													

FY2012	10/11	11/11	12/11	1/12	2/12	3/12	4/12	5/12	6/12	7/12	8/12	9/12	Total
Planned													
Revised Plan													
Actual													

B. Efforts Completed/Schedule Milestone Information

Subtask	Description	Planned Completion Date	Revised Completion Date	Actual Completion Date

Subtask	Description	Planned Completion Date	Revised Completion Date	Actual Completion Date
1	xxx	09/30/2009		
2				

C. Work Performed

Work under this task order is XX percent complete.

D. Problem/Resolution

E. Travel for This Period

Name	Start Date	End Date	Destination

F. Plans for Next Period

G. Staff Hour Summary

Subtask	Staff Assigned	Hours Budgeted	Hours Expended	Task Status
1	xxxx			% Completed
	xxxx			
2	xxxx			% complete
	xxxx		0	

Attachment 2

Quality Assurance Surveillance Plan

Performance requirements will be identified in each individual task order. The table below summarizes the performance requirements, deliverables, acceptable standards, surveillance method, incentives and deductions that maybe applicable to a task order.

Performance Requirement and Deliverables	Standard	Method of Review	Incentives/Deduction
Review Plan	<p>Review plan covers all required tasks and contains all milestones that must be completed for the final SE input input to be accepted by the NRC.</p> <p>No spelling or grammatical errors.</p>	NRC TM will review the plan.	<p>Full Payment for 100% compliance.</p> <p>Items determined to be missing or incorrect will be corrected by contractor. If not incorporated after initial identification by NRC, contractor will add/correct at its own expense.</p>
Provide Draft SE Input	<p>Draft SE Input is in accordance with guidance provided by the NRC, includes all information requested in the SOW with placeholders as necessary, and incorporates all comments from the NRC TM.</p> <p>Thoroughly researched licensing action, regulatory requirements, and regulatory guidance before issuing RAI.</p> <p>No spelling or grammatical errors</p>	NRC TM will review the Draft SE Input.	<p>Full payment for 100% compliance.</p> <p>Items determined to be missing or incorrect will be corrected by contractor. If not incorporated after initial identification by NRC, contractor will add/correct at its own expense.</p>
Provide RAI	<p>RAI will have direct correlation to safety related information and is appropriate for the level of review being conducted.</p> <p>No spelling or grammatical errors</p>	NRC TM will review the RAIs	<p>Items determined to be missing or incorrect will be corrected by the contractor.</p> <p>If not incorporated after initial identification by NRC, contractor will add/correct at its own expense.</p>

Performance Requirement and Deliverables	Standard	Method of Review	Incentives/Deduction
Provide Final SE Input	<p>SE Input is in accordance with the review guidance provided by the NRC, includes all information requested in the SOW and incorporates all comments by the NRC TM. Technical conclusions are properly supported.</p> <p>No spelling or grammatical errors.</p>	NRC TM will review the SE Input.	<p>Full payment for 100% compliance.</p> <p>Items determined to be missing or incorrect will be corrected by contractor. If not incorporated after initial identification by NRC, contractor will add/correct at its own expense.</p>