

ORDER FOR SUPPLIES OR SERVICES

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

BPA NO.

1. DATE OF ORDER <i>11/5/2009</i>	2. CONTRACT NO. (If any) NRC-42-07-036	6. SHIP TO:	
3. ORDER NO. 0088	MODIFICATION NO.	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 R. Mitchell, 301-492-3639 Mail Stop T-7-I-2 Washington, DC 20555		b. STREET ADDRESS Attn: Min Lee Mail Stop: T7-F29	
7. TO:		c. CITY Washington	e. ZIP CODE 20555

a. NAME OF CONTRACTOR INFORMATION SYSTEMS LABORATORIES, INC ISL	8. TYPE OF ORDER	
b. COMPANY NAME ATTN: DR. JAMES F. MEYER	<input type="checkbox"/> a. PURCHASE	<input checked="" type="checkbox"/> b. DELIVERY
c. STREET ADDRESS 11140 ROCKVILLE PIKE, SUITE 500	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.	
d. CITY ROCKVILLE	e. STATE MD	f. ZIP CODE 20852

9. ACCOUNTING AND APPROPRIATION DATA B&R:025-15-171-111; JC:Q4014; BOC 252A; 31X0200.025 Obligate: \$50,000.00 Contractor DUNS: 107928806	10. REQUISITIONING OFFICE NRO
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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 SMALLBUSINESS	

13. PLACE OF	14. GOVERNMENT B/L NO.	15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date)	16. DISCOUNT TERMS
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.88 under Contract No. NRC-42-07-036 Title: "Review of Turkey Point Subsequent Combined Operating License (S-COL) Application for the Design of Category 1 Structures (SRP 3.8)" Period of Performance: Day of Award - November 30, 2011 Estimated Reimbursable Cost: \$192,604.00 Fixed Fee: \$9,366.00 Total Cost Plus Fixed Fee: \$201,970.00 Funds in the amount of \$50,000.00 is provided. See Continuation Pages					

SEE BILLING INSTRUCTIONS ON REVERSE	18. SHIPPING POINT	19. GROSS SHIPPING WEIGHT	20. INVOICE NO.	17(h) TOTAL (Cont. pages)
21. MAIL INVOICE TO:				
a. NAME Department of Interior / NBC NRCPayments@nbc.gov				
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	

22. UNITED STATES OF AMERICA BY (Signature) 	23. NAME (Typed) Jeffrey R. Mitchell Contracting Officer TITLE: CONTRACTING/ORDERING OFFICER
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TASK ORDER TERMS AND CONDITIONS

NOT SPECIFIED IN THE CONTRACT

A.1 2052.216-71 INDIRECT COST RATES (JAN 1993)

(a) Pending the establishment of final indirect rates which must be negotiated based on audit of actual costs, the contractor shall be reimbursed for allowable indirect costs as follows:

APPLIES ONLY TO TASK ORDER NO. 88, UNDER NRC-42-07-036

INDIRECT COST POOL	RATE	BASE	PERIOD
Fringe Benefits		Direct Labor	Task Order 88 Period of Performance
Overhead		Direct Labor	Task Order 88 Period of Performance
G&A		Total Value Added Cost Input	Task Order 88 Period of Performance
Material Handling		Materials and Subcontractor Costs	Task Order 88 Period of Performance

(b) The contracting officer may adjust these rates as appropriate during the term of the contract upon acceptance of any revisions proposed by the contractor. It is the contractor's responsibility to notify the contracting officer in accordance with FAR 52.232-20, Limitation of Cost, or FAR 52.232-22, Limitation of Funds, as applicable, if these changes affect performance of work within the established cost or funding limitations.

In accordance with Section G.4, Task Order Procedures, of Contract No. NRC-42-07-036, this definitizes Task Order No. 88. The effort shall be performed in accordance with the attached Statement of Work.

Task Order No. 88 shall be in effect from Day of Award through November 30, 2011, with a cost ceiling of \$201,970.00. The amount of \$192,604.00 represents the estimated reimbursable costs, and the amount of \$9,366.00 represents the fixed fee.

The amount obligated by the Government with respect to this task order is \$50,000.00, of which \$47,681.00 represents the estimated reimbursable costs, and the amount of \$2,319.00 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: Min Lee
Project Officer
301-415-0502

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

Acceptance of Task Order No. 88 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

11/25/09

DATE

testing and in-service surveillance requirements, as appropriate. The level of effort for this task order is based on the expectation that the contractor is familiar with the review procedures of the SRP Sections in the work scope and the technical reviewer has the required knowledge and experience in the subject matter as outlined in Section 5.

3.0 WORK REQUIREMENTS, SCHEDULE AND DELIVERABLES

Tasks/Standards	Scheduled Completion	Deliverables
<p>1. REQUIREMENT: Become familiar with the SRP Section 3.8 and related regulatory guides including but not limited to regulatory Guides 1.57, 1.130, 1.142, etc., as referenced in the SRP section 3.8 and provided by the technical Monitor. (Phase 1 task)</p> <p>STANDARD: Written confirmation that familiarization is complete. The level of effort for Task 1 is based on the volume of materials to be reviewed; this task is for familiarity and not for evaluation.</p>	<p>* Two weeks after authorization of work</p>	<p>Documentation that assigned personnel have reviewed references.</p>
<p>2. REQUIREMENT: Participate in an orientation/kick-off meeting with the NRC staff to discuss the scope of the work, expectations, and task order management. Establish an agreed upon schedule that is consistent and aligned with the NRC's EPM program. (Phase 1 task)</p> <p>STANDARD: Attendance by individuals designated by NRC.</p>	<p>*Two weeks after authorization of work</p>	<p>N/A</p>
<p>3. REQUIREMENT: Review the limited work authorization (LWA) for the AP1000 Turkey Point COL application in Part 6. (Phase 1.a task)</p> <p>a. Using the background information and criteria described in Task 1, review and evaluate the Part 6 LWA application and identify those in the submittal that need additional information (RAIs) following the guidance provided in Attachment 1 of this SOW. Develop an</p>	<p>*Two weeks after authorization of work</p>	<p>PTER and Tracking Table of RAIs, if applicable</p>

Tasks/Standards	Scheduled Completion	Deliverables
<p>RAI Tracking Table and prepare a preliminary TER.</p> <p>b. Review the applicant's response to the RAIs and participate in conference calls, as requested by the TM, with the applicant, as needed, to resolve the RAIs. If resolved, document the basis for resolution. If unresolved, provide the basis for rejecting the responses to the open items. Prepare an updated TER and RAI Tracking Table.</p> <p>c. Review the response to the supplemental RAIs, as needed, and document the results including the basis for the RAI resolution. Prepare an updated TER and RAI Tracking Table.</p> <p>d. Review the draft SER prepared by the staff and provide suggested changes to the SER, as needed. Prepare a revised SER.</p> <p>STANDARD: Prepare a draft TER including a preliminary draft SER in format per Attachment 1 of this SOW unless otherwise directed by TM. (Phase 1.a task)</p>	<p>*Two weeks after receipt of RAI responses</p> <p>*One week after receipt of responses to supplemental RAIs</p> <p>*One week after receipt of the staff's draft SER</p>	<p>Updated TER and RAI Tracking Table</p> <p>Updated TER and RAI Tracking Table</p> <p>Revised SER</p>
<p>4. REQUIREMENT: Using NRC acceptance criteria documented in the Standard Review Plan (SRP Sections 3.8.2 through 3.8.5 and Regulatory Guides (1.57, 1.130, 1.142, etc) as guidelines, review the COL application sections 3.8.2, 3.8.3, 3.8.4, and 3.8.5 and related documents to determine if the information provided in the COL sections, and the methods proposed by the applicant meet the appropriate review guidance. Also, review the adequacy and acceptability of the methods/data used by the applicant to demonstrate its implementation of the</p>	<p>* 6 weeks after the end of task 2.</p>	<p>TER and RAI's and RAI Tracking Table, if applicable.</p>

Tasks/Standards	Scheduled Completion	Deliverables
<p>COL action items and compliance with the interface parameters stipulated in Rev. 17 of the AP1000 certified design (CD) and other pertinent documents. All deviations from and/or modifications to the AP1000 CD (Rev. 17) and designated COL action items and/or interface parameter requirements should be evaluated and justified. Plant specific issues and those aspects of the application that need further resolution or clarification shall be identified as Request for Additional Information (RAI). (Phase 1b task)</p> <ul style="list-style-type: none"> • Review response to pertinent 'COL Action Items' (identified in the SER for AP1000 certified design). • Identify issues and the need for any additional or clarifying information and document as formal Requests for Additional Information (RAIs). • Perform all interface reviews as identified in review guidance • Prepare a draft technical evaluation report (TER) including a preliminary draft SER write-up in format per NUREG-1793 unless otherwise directed by TM. 		
<p>5. REQUIREMENT: Review responses to the RAIs questions to determine if they adequately resolve the outstanding issues. Identify any other open items. Incorporate the review results in the draft TER completed under Task 3. (Phase 2 task)</p> <p>STANDARD: Complete TER with open items</p>	<p>Two weeks after receipt of the responses.</p>	<p>Revised TER with open items.</p>

Tasks/Standards	Scheduled Completion	Deliverables
<p>6. REQUIREMENT: Prepare for and travel to the applicant's designated facilities and participate in an NRC review team to:</p> <ul style="list-style-type: none"> a. Audit the analysis reports and design calculations as described in the SCOL application for Turkey Point. b. Evaluate and discuss the applicant's responses to the unresolved issues identified in Task 4 to determine if the outstanding issues are adequately resolved. c. Prepare a trip report (as an input to NRC Audit Report) to summarize the information reviewed, results of the audit, and meeting discussions. Update the draft TER with open items for input to SER with Open items. (Phase 2 task) <p>STANDARD: Complete evaluation as defined in Task. Submit Trip Report within 2 weeks of site review.</p>	<p>*Two weeks after the trip</p>	<p>Trip Report and updated the draft TER with open items</p>
<p>7. REQUIREMENT: Review the applicant's response to the open items identified as a result of the audit (tasks 4 & 5). Identify any unresolved issues and prepare a draft TER with no open items for input to a safety evaluation. Incorporate NRC's comments and prepare Final TER. (Phase 4 task)</p> <p>STANDARD: Complete TER that follows the NRC provided template without deviation.</p>	<p>* Four weeks after receipt of responses</p>	<p>SER input with open items resolved.</p>

Tasks/Standards	Scheduled Completion	Deliverables
<p>8. REQUIREMENT: As needed and requested by the staff, provide technical hearing support to the staff during related ACRS meetings and ASLB proceedings. (Phases 3 and 5 task)</p> <p>STANDARD: Ensure presentation materials are reviewed and approved by NRC staff.</p>	TBD	Prepare presentation materials. Attend meetings, if requested.

* These Work Schedules are subject to change by the NRC Contracting Officer (CO) to support the needs of the NRC Licensing Program Plan.

The Technical Monitor may issue technical instruction from time to time throughout the duration of this task order. Technical instructions must be within the general statement of work delineated in the task order and shall not constitute new assignments of work or changes of such a nature as to justify an adjustment in cost or period of performance. The contractor shall refer to Section G.1 of the base contract for further information and guidance on any technical directions issued under this task order.

Any modifications to the scope of work, cost, or period of performance of this task order must be issued by the CO and will be coordinated with the NRO Project Officer.

4.0 TECHNICAL AND OTHER SPECIAL QUALIFICATIONS REQUIRED

As specified in the base contract, the contractor shall provide individuals who have the required educational background and work experience to meet the objectives of the work specified in this task order. Specific qualifications for this effort include:

Knowledge and experience in vibration analyses, development of seismic ground motion spectra and consistent time histories, soils-structure interaction analyses, development of in-structure floor design response spectra, dynamic and seismic analysis of systems, structures and components of nuclear power plants using sophisticated computer codes,

The contractor shall provide a contractor project manager (PM) to oversee the effort and ensure the timely submittal of quality deliverables so that all information is accurate and complete as defined in the base contract.

The NRC will rely on representations made by the contractor concerning the qualifications of the personnel assigned to this task order, including assurance that all information contained in the technical and cost proposals, including resumes, is accurate and truthful. The resume for each professional proposed to work under this task order (contractor, subcontractor, or consultant) shall describe the individual's experience in applying his or her area of engineering

specialization to work in the proposed area. The use of particular personnel on this contract is subject to the NRC technical monitor's (TM's) approval. This includes any proposed changes to key personnel during the life of the task order.

5.0 REPORTING REQUIREMENTS

Task Order Progress Report

The contractor shall provide a MSLR by the 20th of each month summarizing accomplishments, expenditures, contractor staff hours expended, percent completed for each task under this task order, and any problems encountered by the contractor. The report shall be sent via e-mail to the NRC TM, Task Order Project Officer (PO) and CO.

Please refer to Section F of the basic contract award document for contract reporting requirements.

Technical reporting requirements

Unless otherwise specified above, the contractor shall provide all deliverables as draft products. The NRC TM will review all draft deliverables (and coordinate any internal NRC staff review, if needed) and provide comments back to the contractor. The contractor shall revise the draft deliverable based on the comments provided by the TM, and then deliver the final version of the deliverable. When mutually agreed upon between the contractor and the TM, the contractor may submit preliminary or partial drafts to help gauge the contractor's understanding of the particular work requirement.

The contractor shall provide the following deliverables in hard copy and electronic formats. The electronic format shall be provided in MS Word or other word processing software approved by the TM. For each deliverable, the contractor shall provide one hard copy and electronic copy to both the PM and the TM. The schedule for deliverables shall be contained in the approved project plan for the task order effort.

In all correspondence, include identifying information: JCN No.: Q-4014; Technical Assignment Control No. (TAC), if applicable: RX0549; Task Order No.: 88; the licensee: Florida Power and Light; and, the site: Turkey Point.

1. At the completion of Task 5, submit a Technical Evaluation Report (TER) that contains, for each Sub-section of the SER (see **Attachment 1** for the outline, format and content of the report): a description of the information proposed by the applicant including the assumptions for the analysis, design, and references to consensus standards: review findings (including the basis for the findings), as a result of comparison with the review guidelines: and a list of "Requests for Additional Information (RAIs). See **Attachment 1** in the base contract SOW for the guidelines for developing RAIs.
2. At the completion of Task 6, submit a TER (see **Attachment 1**) that contains a summary of the review results and the updated report completed under Tasks 3 and 4 incorporating the findings from the resolution of the RAIs. Include a separate list of the remaining open items and the basis for such determination.

3. At the completion of Task 6, submit a trip report, as an input to NRC audit report, that contains a summary of documents audited, a summary of meeting discussion conducted with the applicant, list of outstanding issues, significance of these issues, and the basis for the conclusion. Incorporate the findings in the report developed under Tasks 3 and 4.
4. At the completion of Task 7, submit a TER (**see Attachment 1**) that contains a safety evaluation report with open items resulting from the work performed in Task 5 & 6, and update of the Technical Evaluation Report developed under Task 6.

6.0 MEETINGS AND TRAVEL

One 2-person, 2-day working meeting to kickoff project and contractor orientation.*

(if required) 2-person, 1-day (safety) review team trip for site familiarization and information gathering.

(If required) 2 person, 5-day trips to the applicant's facility (Tasks 5).

One 2-person, 1-day working meetings at NRC headquarters to review deliverables*

One 1-person, 2-day meetings, if needed, for hearing or ACRS meeting.

(any additional trips that may be required)

*At the discretion of the NRC TM, meeting may be conducted via telephone or video conference.

7.0 NRC FURNISHED MATERIAL

The following NRC furnished materials will be provided to the contractor together with SOW:

- a. CD-ROM containing S-COL Sections and the relevant Appendices from the S-COL application.
- b. CD-ROM containing the Final Safety Evaluation Report of the DCD. The contractor staff will identify any additional NRC documentation that is needed and the TM will determine whether it will be provided by the NRC or obtained directly by the contractor from NUDOCS, ADAMS, NRC public document room or the NRC website at www.nrc.gov.

8.0 PERIOD OF PERFORMANCE

The period of performance is from the Day of Award through November 30, 2011.

9.0. OTHER APPLICABLE INFORMATION

- a. License Fee Recovery

All work under this task order is fee recoverable and must be charged to the appropriate TAC number(s).

b. Assumptions and Understandings:

The level of effort for Task 3 is based on the assumption that the contractor is familiar with the review procedures of (ESRP/SRP) Sections 3.8 .

The level of effort for Task 4 is based on the assumption that there will be 35 RAIs and it will take, on the average, 2.5 hours to review and address each response.

The level of effort for Task 5 is based on two, two-person, five-day trips (including travel time) plus four days to prepare for the trips and to write the trip reports.

The level of effort for Task 6 is based on the need to resolve 20 open items and it will take, on the average, 4 hours to review and resolve each open item, and prepare an SER.

The level of effort in Task 7 is based on requiring one trip to the site and one trip to NRC headquarters.

It is assumed that the contractor has access to the NRC furnished material available on the Internet.

It is understood that the scope of the review consists of conference calls with the NRC staff, and with the NRC staff and the applicant, to discuss open items in an attempt to obtain additional information or reach resolution.

During the course of the review, the Technical Monitor, and possibly other NRC personnel, may travel to the contractor site to discuss the status of the review and participate in the resolution of open items. It is assumed that the level of effort covers such a meeting.

Attachment:

1. Outline, Format, and Content for the TER Input

Attachment 1
Outline, format, and sample for the TER (draft SER input)

Use NUREG-1793 format unless otherwise directed by TM.

X.Y.Z Title of Section

X.Y.Z.1 Regulatory Criteria

Develop an outline that follows the format and topics presented in the AREAS OF REVIEW section of the appropriate SRP section. This information will correspond to the SRP sections that are the subject of this Task Order. For each unique SRP review area contained in the TER, the contractor should specify the acceptance criteria that were used for its review. Summarize the applicable regulations and other regulatory references, including regulatory guides, generic letters, or NRC staff positions, that are relevant to this topic.

Technical reviewers are encouraged to use the descriptions of acceptance criteria from previously issued Safety Evaluation Reports for completed design certifications (e.g., NUREG-1793 for the AP1000 Final Safety Evaluation Report) when applicable.

X.Y.Z.2 Summary of Technical Information

Describe the key technical points that were made in the application. It is not necessary to restate the application verbatim or to address all the details in the application.

X.Y.Z.3 Technical Evaluation

Document the contractor's evaluation of the application against the relevant regulatory criteria. The evaluation should support the contractor's conclusions as to whether the regulations are met. State what the contractor did to evaluate the applicant's submittal. The contractor's evaluation may include verification that the applicant followed applicable regulatory guidance, performance of independent calculations, and validation that the appropriate assumptions were made. The contractor may state that certain information provided by the applicant was not considered essential to the contractor's review and was not reviewed by the contractor. While the contractor may summarize the information offered by the applicant in support of its application, the contractor should clearly articulate the bases for its conclusions.

Contractor should provide a clear and concise description of any request for additional information (RAIs). The description should include a justification of the requested information that the requested information is not provided in the application and is absolutely needed to determine or confirm whether the relevant regulatory requirements (articulate specific requirements) have been met. The contractor should discuss its technical evaluation of the licensee's response to the RAIs and determine whether it is acceptable. The contractor should clearly articulate the bases for its acceptance or rejection. If the RAI response is not acceptable, it will be classified as an 'open item'. All open items will be resolved in Phase 3.

X.Y.Z.4 Conclusions

Summarize the contractor's conclusions regarding the application, including words such as the following. As set forth above in Sections X.Y.Z.2 and X.Y.Z.3 of this report, [provide specific bases for conclusions that follow]. Accordingly, the staff concludes that the application meets [or, if applicable, does not meet] the relevant requirements of 10 CFR Part XX and is [or, if applicable, is not] acceptable.

X.Y.Z.5 References