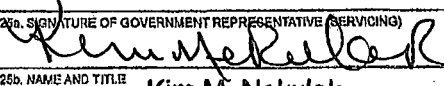
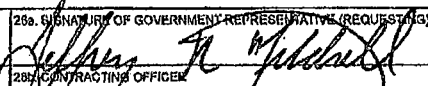


INTERAGENCY AGREEMENT		1. IAA NO. NRC-HQ-25-15-T-0008		PAGE OF 1 3	
2. ORDER NO.		3. REQUISITION NO. NRO-15-0127		4. SOLICITATION NO.	
5. EFFECTIVE DATE 09/01/2015		6. AWARD DATE 09/01/2015		7. PERIOD OF PERFORMANCE 09/07/2015 TO 12/31/2018	
8. SERVICING AGENCY BROOKHAVEN NATIONAL LABORATORY ALC: DUNS: 027579460 +4: BROOKHAVEN SITE OFFICE PO BOX 5000 BLDG 464 UPTON NY 11973-5000 POC Kim Nekulak TELEPHONE NO. 631-344-7439			9. DELIVER TO ROBERT ROCHE-RIVERA MAIL STOP TWFN 8-K3 11555 ROCKVILLE PIKE ROCKVILLE MD 20852		
10. REQUESTING AGENCY ACQUISITION MANAGEMENT DIVISION ALC: 31000001 DUNS: 040535809 +4: US NUCLEAR REGULATORY COMMISSION ONE WHITE FLINT NORTH 11555 ROCKVILLE PIKE ROCKVILLE MD 20852-2738 POC Jeffrey R. Mitchell TELEPHONE NO. 301-415-5074			11. INVOICE OFFICE US NUCLEAR REGULATORY COMMISSION ONE WHITE FLINT NORTH 11555 ROCKVILLE PIKE MAILSTOP O3-E17A ROCKVILLE MD 20852-2738		
12. ISSUING OFFICE US NRC - HQ ACQUISITION MANAGEMENT DIVISION MAIL STOP TWFN-5E03 WASHINGTON DC 20555-0001			13. LEGISLATIVE AUTHORITY Energy Reorganization Act of 1974		
			14. PROJECT ID		
			16. PROJECT TITLE SEE BELOW		
16. ACCOUNTING DATA 2015-X0200-FEEBASED-25-25D003-17-4-118-3001-251D					
17. ITEM NO.	18. SUPPLIES/SERVICES	19. QUANTITY	20. UNIT	21. UNIT PRICE	22. AMOUNT
	TASK ORDERING AGREEMENT: NRC-HQ-25-14-D-0002 TASK ORDER NUMBER: NRC-HQ-25-15-T-0008 The NRC and the DOE Lab (BNL) hereby enter into this Agreement/Task Order, NRCHQ2514D0002 - NRCHQ2515T0008, for the project entitled, "Provide Technical Insights to the Staff Review of AP1000 Topical Report on Specialized Seismic Option" The performance period for this agreement shall commence on September 7, 2015 and will expire on Continued ...				
23. PAYMENT PROVISIONS			24. TOTAL AMOUNT \$90,000.00		
25a. SIGNATURE OF GOVERNMENT REPRESENTATIVE (SERVICING) 			25b. SIGNATURE OF GOVERNMENT REPRESENTATIVE (REQUESTING) 		
25b. NAME AND TITLE Kim M. Nekulak Contracting Officer		25c. DATE SEP 15 2015	25d. CONTRACTING OFFICER JEFFREY R. MITCHELL		25e. DATE 9/1/2015

TEMPLATE - ADMIN

SUNSI REVIEW COMPLETE

OCT - 1 2015 ADMIN02

December 31, 2018.

NRC Contracting Officers Representative (COR):
Robert Roche-Rivera and Maryam Khan
BNL Project Manager: J.Hartmann and W.Horak

Consideration and Obligations:

(a) Authorized Cost Ceiling \$584,456.00

(b) The amount presently obligated with respect to this DOE Agreement is \$90,000.00. When and if the amount(s) paid and payable to the DOE Laboratory hereunder shall equal the obligated amount, the DOE Laboratory shall not be obligated to continue performance of the work unless and until the NRC Contracting Officer shall increase the amount obligated with respect to this DOE Agreement. Any work undertaken by the DOE Laboratory in excess of the obligated amount specified above is done so at the DOE Laboratory's sole risk.

The following documents are hereby made part of this Agreement:

Attachment No. 1: Statement of Work

The issuance of this Task Order does not amend any terms or conditions of the subject Agreement.
Master IAA: NRCHQ2514D0002

00001

Authorized Cost Ceiling
Line Item Ceiling\$584,456.00
Incrementally Funded Amount: \$90,000.00

584,456.00

This agreement is entered into pursuant to the authority of the Energy Reorganization Act of 1974, as amended (42 U.S.C 5801 et seq.). This work will be performed in accordance with the NRC/DOE Memorandum of Understanding dated November 24, 1998. To the best of our knowledge, the work requested will not place the DOE and its contractor in direct competition with the domestic private sector.

[x] Fee Recoverable Work
TAC: RX0852

[] Non-fee Recoverable Work
Continued ...

Notwithstanding the agreement effective dates and period of performance start dates stated elsewhere in the agreement, the effective date of the agreement and start date of the period of performance are the last date of signature by the parties.

The total amount of award: \$584,456.00. The obligation for this award is shown in box 24.



Department of Energy

Brookhaven Site Office
P.O. Box 5000
Upton, New York 11973

SEP 15 2015

U.S. Nuclear Regulatory Commission
Attention: OCFO Obligations
Washington, DC 20555

To Whom It May Concern:

SUBJECT: NUCLEAR REGULATORY COMMISSION (NRC) INTERAGENCY
AGREEMENT (IAA) NRC-HQ-25-15-T-0008, UNDER MASTER
IAA NRC-HQ-25-14-D-0002

Enclosed is an executed copy of NRC IAA NRC-HQ-25-15-T-0008 under Master IAA NRC-HQ-25-14-D-0002, in the amount of \$90,000.00 for work to be performed by Brookhaven Science Associates, LLC at Brookhaven National Laboratory.

Consistent with the Department of Energy's (DOE's) full cost recovery policy, DOE collects, as part of its standard indirect cost rate, a Laboratory Directed Research Development (LDRD) cost. Based on the amount of funds accepted for this project, \$2,160.00 represents an estimated amount that will be used for LDRD efforts. DOE believes that LDRD efforts provide opportunities in research that are instrumental in maintaining cutting-edge science capabilities that benefit all of the customers at the Laboratory. The Department will conclude that by providing funds to DOE to perform work, you acknowledge that such activities are beneficial to your organization and consistent with appropriations acts that provide funds to you.

Should you have any questions, please contact me at (631) 344-7439.

Sincerely,

A handwritten signature in black ink that reads "Kim Nekulak".

Kim Nekulak
Business Management Division
Contracting Officer

Enclosure:
As Stated

cc. J. Mitchell, NRC, w/encl.
R. Roche-Rivera, NRC, w/encl.
M. Fiffles, SC-CH, CR-CRA, w/encl.
N. Lofaro, BSA, w/encl.
T. Loffredo, BSA, w/encl.
J. Scott, BSA, w/encl.

STATEMENT OF WORK

NRC Agreement Number NRC-HQ-25-14-D-0002	NRC Agreement Modification Number 	NRC Task Order Number (If Applicable) NRC-HQ-25-15-T-0008	NRC Task Order Modification Number (If Applicable)
Project Title: Provide Technical Insights to the Staff Review of AP1000 Topical Report on Specialized Seismic Option			
Job Code Number 3001	B&R Number 17-4-118	DOE Laboratory Brookhaven National Laboratory	
NRC Requisitioning Office: Office of New Reactors (NRO) / Division of Engineering (DE)			
NRC Form 187, Contract Security and Classification Requirements <input type="checkbox"/> Applicable <input checked="" type="checkbox"/> Not Applicable		<input type="checkbox"/> Involves Proprietary Information <input type="checkbox"/> Involves Sensitive Unclassified	
<input type="checkbox"/> Non Fee-Recoverable		<input checked="" type="checkbox"/> Fee-Recoverable (If checked, complete all applicable sections below)	
Docket Number (If Fee-Recoverable/Applicable) 52-00046		Inspection Report Number (If Fee Recoverable/Applicable) N/A	
Technical Assignment Control Number (If Fee-Recoverable/Applicable) RX0852		Technical Assignment Control Number Description (If Fee-Recoverable/Applicable) Provide Technical Insights to the Staff Review of AP1000 Topical Report on Specialized Seismic Option	

1.0 BACKGROUND

The U.S. Nuclear Regulatory Commission (NRC) completed its review of the AP1000 DCD, Revision 19 on August 5, 2011. "NUREG-1793 Supplement 2 to the Final Safety Evaluation Report for Revision 19 to the AP1000 Standard Design Certification," was issued in September 2011. On December 30, 2011, the AP1000 DC Amendment final rule was published in the Federal Register.

Currently a Specialized Seismic Option for AP1000 standard design is being developed by Westinghouse Electric Company (WEC) for use in locations with seismic levels typically seen in the west of Mississippi River. As expressed by WEC, the purpose of the Specialized Seismic Option will be to extend the range of applicability of the AP1000 standard design, by including a different seismic spectrum into the AP1000 plant design. As such, WEC plans to submit a topical report addressing the Specialized Seismic Option for staff review and approval. WEC anticipates that this will allow future combined license (COL) applicants with appropriate site conditions to reference the AP1000 Standard Design along with the specialized seismic option

in COL applications. This submittal is not applicable to current AP1000 licensees or COL applicants.

Office Instruction LIC-500, "Processing Requests for Reviews of Topical Reports" provides the process for reviewing a topical report at the NRC. Additionally, the staff's safety review is performed in accordance with NUREG-0800, "Standard Review Plan (SRP) for the Review of Safety Analysis Reports for Nuclear Power Plants."

2.0 OBJECTIVE

The objective of this task order is to obtain technical expertise from Brookhaven National Laboratory (BNL) to assist the NRC staff in evaluating and resolving complex technical issues related to Topical Report for AP1000 Specialized Seismic Option.

BNL's assistance is required in providing technical insights and advice to facilitate staff's evaluation of potential areas impacted by changes in seismic input, including (1) the structural design and analysis of the Category I structures and (2) modelling, computer codes, seismic analyses, calculation of the loads and loading combinations used in the analyses and design of the plant structures, systems, and components (SSCs), and (3) seismic margin assessment.

The work will include consultation including advising and providing insights to the staff on the following:

1. Key aspects of structural and seismic analyses associated with the Category I structures
2. Request for Additional Information (RAIs) and RAI responses.
3. Identification of key technical issues, preparation for presentations to senior management, subject preparation for meetings with the applicant, and confirmatory analyses, if needed.
4. Subjects for Audit of Design Reports and supporting calculations.
5. Issue resolutions in draft and final Safety Evaluation Report (SER) sections.
6. Participate in regularly-scheduled conference calls with the staff and/or the applicant to discuss technical issues and convey technical insights, as requested.

The primary written deliverable, or output of this consultation, shall be letter reports. The letter reports will be used at the staff's discretion for preparation of RAIs and SER sections, which will document the NRC's technical, safety, and legal basis for the staff's findings on the application. The letter reports must provide sufficient information that adequately explains their expert opinions including technical rationale for the complex issues raised and their adverse impact on public health and safety if not addressed appropriately. In such cases, provide the basis and all sources of information relied on in reaching the determination of reasonable assurance. The letter report should be written in a manner whereby a person with a technical (non-nuclear) background and unfamiliar with the applicant's request could understand the basis for the staff's conclusions.

The specific work scope and schedule required for this task order are provided in Sections 1, 2, 3, and 4. The requirements for communicating work progress and status are provided in Section 9.

3.0 SCOPE OF WORK

BNL must provide all resources necessary to accomplish the tasks and deliverables described in this statement of work (SOW).

BNL will advise the staff on the following:

- Key technical issues related to the structural and seismic review of the Specialized Seismic Option.
- RAIs and corresponding applicant responses and provide RAI recommendations and assessment of Westinghouse's responses to RAIs.
- Interactions with the applicant on key technical issues.
- Confirmatory analyses conducted by the staff
- Audit plans including the issues to be discussed during an audit, participate in the NRC review team audit, and provide input to the audit report.
- Draft and final SER for the Topical Report.

4.0 SPECIFIC TASKS

BNL must perform the following tasks:

Task 1: Gain familiarity with the Work Scope as the subject expert through interactions with reviewers

- Gain knowledge of the Topical Report.
- Participate in an orientation/kick-off meeting/conference call with the NRC staff to discuss the scope of the work, expectations, schedule, and task order management.

Task 2: Advising on key Structural and Seismic Review Activities

- The level of consulting should be sufficient to enable the staff to complete and adequately document its safety review findings.
- Key structural and seismic analysis and design aspects of seismic Category I structures in the Topical Report. Provide technical insights to complete and document the review. Technical input may be conveyed to the staff in weekly conference calls, as needed, as well as through letter reports. The calls will also include review progress and issue resolution.
- Provide expert advice to the staff in the following areas:
 - i. Extent to which the analysis and design approaches are in accordance with the applicable SRP sections and regulatory guides or represent acceptable alternative to the guidance;
 - ii. Extent to which the methods and approaches proposed by the applicant meet the appropriate acceptance criteria;
 - iii. Extent to which the applicant's evaluations demonstrate the adequacy of the structural members for the demands identified in the application.
- Provide expert recommendations to the staff regarding any issues and aspects of the

- Topical Report that need additional or clarifying information.
- Participate in conference calls and meeting with the applicant (if requested by the staff) to discuss any issues or the information to be provided or clarified by the applicant.

Task 3: Advice on staff preparation for RAIs and review of RAI Responses

- Provide expert advice to the staff to ensure the scope of the staff's RAIs is sufficient to cover the information needed to augment and clarify the Topical Report content.
- Provide advice on input to address complex technical issues in RAIs to enhance their technical completeness and clarity.

Task 4: Participate in Audits

- Provide advice on important technical issues bearing on safety to be included in staff's development of the audit plan including a recommended list of documents to be audited and issues to be discussed during an audit. Prepare for and travel to the applicant's designated facilities and participate in an NRC review team audit to accomplish the items listed below. Two audits are anticipated and assumed as part of this contract.
- Activities to be accomplished during an audit may include the following:
 - (a) Provide expert insights on key supporting analysis and design documents that form the basis for the applicant's determination of the adequacy of the structural demands
 - (b) Audit design and analysis reports as well as supporting design and analysis calculations as described in the applicant's submittal
 - (c) Evaluate and discuss the applicant's responses to unresolved issues to determine if the outstanding issues are adequately resolved
 - (d) As needed, provide expert review of staff new or supplemental RAIs, based on information reviewed and discussions during the audit.
 - (e) Provide input to staff audit summary as directed by the staff.

Task 5: Review of Staff's Draft Safety Evaluation Report

- Provide expert review and provide input to address highly complex technical issues in the staff's draft safety evaluation report (SER).
- As requested by the staff, provide expert insights with safety articulations to the staff review of the applicant's response to RAIs issued as a result of the staff's review of the Topical Report and associated audit.
- As needed, provide expert review of the staff's assessment of unresolved technical issues identified, and assist the staff in developing and communicating a resolution path.
- As needed, assist the staff in resolving any applicant identified factual inaccuracies on the draft SER.

Task 6: Participate in the ACRS Meeting as Requested

- The ACRS may wish to review the TR and the associated SER. Therefore, as needed and requested by the staff, provide expert support to the staff during

Advisory Committee on Reactor Safety (ACRS) meeting. Assist the staff in responding to ACRS questions, if any. One ACRS meeting is anticipated.

- Review and provide input to staff presentation materials, as directed by the staff.

Task 7: Final Safety Evaluation Report (SER)

- Review and provide input to address highly complex technical issues in the staff's Final SER, following recommendations (if any) from ACRS.

Task 8: Confirmatory Analyses

- Provide technical insights to the staff confirmatory analysis related to seismic design basis and seismic system analysis. The staff anticipates two confirmatory analyses covering these areas.

Task 9: Provide Monthly Letter Status Reports (MLSRs) per Section 9.0 of this SOW

5.0 DELIVERABLES AND/OR MILESTONES SCHEDULE

Task Number	Deliverables/Milestone Description	Due Date***	
1	Gain Familiarity with the Work Scope	A jointly agreed upon schedule and deliverables	*2 weeks after authorization of work and as requested by the COR.
2	Advise on key Structural and Seismic Review Activities	Identify areas needing additional information as input for developing RAIs; participate in meetings and conference calls as requested by the COR and provide feedback regarding technical issues in the application. Deliverables are verbal insights and written letter reports.	*12/31/2018
3	Advise on staff preparation for RAIs and review of RAI Responses	Provide feedback on the staff's preparation of RAIs and technical evaluation of the applicant's responses to the RAIs. Provide recommendations and input for additional and follow-up RAIs, as needed.	Est. Due Date Range: 11/30/2015- 6/17/2016 **(generally within three weeks of receipt of applicant response)

Task Number	Deliverables/Milestone Description	Due Date***
4 Participate in Audits	Review the staff's audit plan and provide recommendations of potential review items for the audit. Arrange travel plans and participate in the audit as requested by the COR. Provide input to audit summary.	*Trip report along with input to the audit summary, is due two weeks after the audit.
5 Review of Staff's Draft Safety Evaluation Report	Provide expert review input to the staff's draft SER. Assist the staff in the review and resolution of safety issues.	10/30/2016
6 Participate in the ACRS Meeting as Requested by the COR	Review staff presentation material and attend the meeting as requested by the COR	Est. Due Date Range: 3/17/2017-4/20/2017
7 Final SER	Review and provide input to the staff's Final SER	4/07/2017
8 Confirmatory Analyses	Provide technical support to staff confirmatory analyses	10/30/2016
9 Provide Monthly Letter Status Reports (MLSRs) per Section 9.0 of this SOW	MLSRs per Section 9.0 of this SOW	Per Section 9.0 of this SOW

* The work schedules are subject to change by the NRC Contracting Officer Representative (COR) to support the needs of the NRC Licensing Project Plan (LPP) Integrated Schedule. However, the level of effort, deliverables, and contract costs shall be in accordance with the original contract criteria.

** The schedule completion of this item is subject to receiving an advanced schedule showing the expected delivery dates of the RAI responses ahead of time, and subject to receiving a reasonable number and level of complexity of RAI responses before the given three week period.

*** Due dates are subject to Topical Report submittal date (tentative date September 15, 2015).

The laboratory shall provide the following information prior to initiation of a task order:

- A staffing plan that specifically reflects services to be provided
- The laboratory shall also provide a statement of professional qualifications for staff proposed to work under this task order.

6.0 TECHNICAL AND OTHER SPECIAL QUALIFICATIONS REQUIRED

The laboratory 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:

Senior structural engineers with knowledge and experience in design and analysis of nuclear steel and concrete containment and other Category I structures, systems, and mat foundations for various load combinations, modeling of complicated structures, finite element structural analysis methods, use of sophisticated structural analysis computer codes, seismic margin assessments, implementation of NRC regulations, use of US industry codes and standards applicable for design and construction of nuclear power plants.

The NRC will rely on representations made by the laboratory 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 (principal investigators, technical staff, employees, consultants, specialists or subcontractors) 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 task order is subject to the NRC COR's approval. This includes any proposed changes to key personnel during the life of the task order.

7.0 ESTIMATED LABOR CATEGORIES AND LEVELS OF EFFORT

Intentionally left Blank.

8.0 MEETINGS AND TRAVEL

The following travel assumptions should be considered in planning the work effort. It is likely that a smaller group than the entire review team will be necessary to accomplish some activities; the actual travel contingent will be determined by the COR, after discussion with the laboratory Project Manager (PM). Travel in excess of the total number of person-trips must be approved by the Contacting Official (CO); travel within the work scope limits will be approved by the COR. For each trip the laboratory shall provide a trip report.

- Two, four-person, four-day trips to the applicant's facility to perform audits.
- One, three-person, two-day meetings at NRC headquarters to attend ACRS meeting, if required.

*At the discretion of the NRC COR, meetings may be conducted at the laboratory or via telephone or video conference

Foreign travel for the DOE laboratory personnel requires a 60-day lead time for NRC approval. For prior approval of foreign travel, the DOE laboratory shall submit an NRC Form 445, "Request for Approval of Official Foreign Travel." NRC Form 445 is available in the MD 11.7 Documents library and on the NRC Web site at: <http://www.nrc.gov/reading-rm/doc-collections/forms/>. Foreign travel is approved by the NRC Executive Director for Operations (EDO).

9.0 REPORTING REQUIREMENTS

The DOE Laboratory is responsible for structuring the deliverable to follow agency standards. The current agency standard is Microsoft Office Suite 2010. The current agency Portable Document Format (PDF) standard is Adobe Acrobat 9 Professional. Deliverables must be submitted free of spelling and grammatical errors and conform to requirements stated in this section.

Monthly Letter Status Reports

In accordance with Management Directive 11.7, NRC Procedures for Placement and Monitoring of Work with the U.S. Department of Energy, the DOE Laboratory must electronically submit a Monthly Letter Status Report (MLSR) by the 20th day of each month to the Contracting Officer Representative (COR) with copies to the Contracting Officer (CO) and the Office Administration/Division of Contracts to ContractsPOT.Resource@nrc.gov. If a project is a task ordering agreement, a separate MLSR must be submitted for each task order with a summary project MLSR, even if no work has been performed during a reporting period. Once NRC has determined that all work on a task order is completed and that final costs are acceptable, a task order may be omitted from the MLSR.

A copy of the MLSRS should be sent to NRO_MLSRS@nrc.gov.

The MLSR must include the following: agreement number; task order number, if applicable; job code number; title of the project; project period of performance; task order period of performance, if applicable; COR's name, telephone number, and e-mail address; full name and address of the performing organization; principal investigator's name, telephone number, and e-mail address; and reporting period. At a minimum, the MLSR must include the information discussed in Attachment 1. The preferred format for a MLSR can also be found in Attachment 1.

10.0 PERIOD OF PERFORMANCE

Refer to block 7 on the IAA award form.

11.0 CONTRACTING OFFICER'S REPRESENTATIVE

The COR monitors all technical aspects of the agreement/task order and assists in its administration. The COR is authorized to perform the following functions: assure that the DOE Laboratory performs the technical requirements of the agreement/task order; perform inspections necessary in connection with agreement/task order performance; maintain written and oral communications with the DOE Laboratory concerning technical aspects of the agreement/task order; issue written interpretations of technical requirements, including Government drawings, designs, specifications; monitor the DOE Laboratory's performance and notify the DOE Laboratory of any deficiencies; coordinate availability of NRC-furnished material and/or GFP; and provide site entry of DOE Laboratory personnel.

Contracting Officer's Representative

Name: Robert Roche
Agency: U.S. Nuclear Regulatory Commission
Office: NRO/DE
Mail Stop: T-08K9
Washington, DC 20555-0001
E-Mail: Robert.Roche@nrc.gov

Phone: 301-415-8113

Alternate Contracting Officer's Representative

Name: Marieliz Vera
Agency: U.S. Nuclear Regulatory Commission
Office: NRO/DE
Mail Stop: T-08K9
Washington, DC 20555-0001
E-Mail: Marieliz.Vera@nrc.gov
Phone: 301-415-5861

12.0 MATERIALS REQUIRED

N/A

13.0 NRC-FURNISHED PROPERTY/MATERIALS

The COR will provide those NRC documents related to the applicable portions of the application (for example, the Design Control Documents and the Technical Reports) that are readily available. The COR will provide access to the applicant's safety analysis report, pertinent sections of the COL, DC, or other NRC safety documents and docketed correspondence on related issues. The laboratory staff will identify any additional NRC documentation that is needed and the COR will determine whether it will be provided by the NRC or obtained directly by the laboratory from NUDOCS, ADAMS, NRC public document room or the NRC website at www.nrc.gov.

14.0 RESEARCH QUALITY

N/A

**15.0 STANDARDS FOR CONTRACTORS WHO PREPARE NUREG-SERIES
MANUSCRIPTS**

N/A

16.0 OTHER CONSIDERATIONS

License Fee Recovery

Pursuant to the provisions on fees of 10 CFR Parts 170 and 171, provide the total amount of funds spent during the period and cumulative to date for each task/task order by facility. The License Fee Recovery Status Report must be reported in accordance with MD 11.7

Expected Classification or Sensitivity

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

References

N/A

Assumptions and understandings

The level of effort for Task 1 is based on the assumption that the laboratory is familiar with the SRP review procedures, the review of the AP1000 DCD, and other DCD review work (e.g., Task Order 5 under JCN QBC02 - involving the structural review of the US-APWR standard plant).

The level of effort for Task 2 and 3 are based on the assumption that there will be approximately 50 RAIs and RAI responses including supplemental responses.

The level of effort for Task 4 is based on two, four-person, four-day trip (including travel time) to the applicant's facility (TBD) to perform audit plus the time needed to develop the trip reports.

The level of effort for Task 5 through 9 is based on the staff experience in having BNL perform similar tasks.

The level of effort for Task 8 is based on the assumption that 160 hours will be used for evaluating and assisting the staff confirmatory analyses, as needed.

It is assumed that the laboratory has access to the NRC furnished material that is 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 COR, and possibly other NRC personnel, may travel to the laboratory 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.

The primary deliverable, or output of this regulatory review, shall be letter reports forming input for developing the staff's SER which documents the NRC's technical, safety, and legal basis for its review finding on the application.

Applicable Publications

N/A

Controls over document handling and non-disclosure of materials

N/A