

ORDER FOR SUPPLIES OR SERVICES

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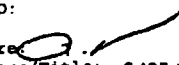
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IMPORTANT: Mark all packages and papers with contract and/or order numbers.

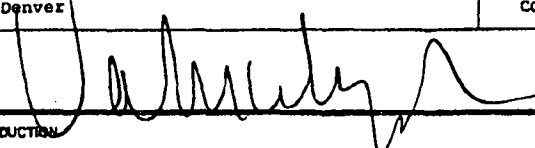
BPA NO.

1. DATE OF ORDER 9/27/12		2. CONTRACT NO. (if any) NRC-HQ-12-C-02-0089		8. SHIP TO:	
3. ORDER NO. T007		4. REQUISITION/REFERENCE 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: Valerie Whipple Mail Stop: TWB-01-B10M Washington, DC 20555				b. STREET ADDRESS Deborah DeMarco Mail Stop EBB/E2 C12	
7. TO:		d. STATE DC		e. ZIP CODE 20555	
a. NAME OF CONTRACTOR SOUTHWEST RESEARCH INSTITUTE S W R I		DUNS: 007936842		f. SHIP VIA	
b. COMPANY NAME		8. TYPE OF ORDER			
c. STREET ADDRESS 6220 CULEBRA RD		<input type="checkbox"/> a. PURCHASE 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.		<input checked="" type="checkbox"/> b. DELIVERY 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 SAN ANTONIO		a. STATE TX		k. ZIP CODE 782385166	
9. ACCOUNTING AND APPROPRIATION DATA RFPA: NMS-12-072 & NMS-12-089; FAIMIS: 123591 B&R: 2012-50-33-4-189; Job Code: J5708; BOC: 252A Approp. No.: X200; Obligation: \$6,953; DUNS: 007936842				10. REQUISITIONING OFFICE NMS	
11. BUSINESS CLASSIFICATION (Check appropriate box(es)) <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. SERVICE-DISABLED VETERAN-OWNED <input type="checkbox"/> g. WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOSB PROGRAM <input type="checkbox"/> h. EDWOSB				12. F.O.B. POINT N/A	
13. PLACE OF		14. GOVERNMENT B/L NO.		15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date)	
a. INSPECTION		b. ACCEPTANCE		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)
	The Contractor shall provide services in accordance with the attached Statement of Work, entitled: "Technical Assistance for the Development of the Licensing Documents in Support of the Prairie Island Independent Septm Fuel Storage Installation License Renewal Application." Total CPAF Amount: \$67,092 Total Obligated Amount: \$6,953 Period of Performance: 10-1-2012 through 9-15-2013 NRC COR: Deborah DeMarco 301-492-3143 NRC Task Order COR: TBD DUNS: 007936842 NAICS: 562211 PSC: R499 ACCEPTED: Signature:  Print Name/Title: 9/25/2012 R.B. Kalmbach Executive Director, Contracts					

SEE BILLING INSTRUCTIONS ON REVERSE	18. SHIPPING POINT		19. GROSS SHIPPING WEIGHT		20. INVOICE NO.	
	21. MAIL INVOICE TO:					
	a. NAME Department of Interior / NBC NRCPayments NBCDenver@NBC.gov				PHONE:	
	b. STREET ADDRESS (or P.O. Box) Attn: Fiscal Services Branch - 02770 7301 W. Mansfield Avenue				FAX:	
c. CITY Denver			d. STATE CO		e. ZIP CODE 80235-2230	
					\$ 67,092	17(h) TOTAL (Cont. pages)
						17(i) GRAND TOTAL

22. UNITED STATES OF AMERICA BY (Signature) 		23. NAME (Typed) Valerie Whipple Contracting Officer, MSA TITLE: CONTRACTING/ORDERING OFFICER	
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OPTIONAL FORM 347 (REV. 2/2012) PRESCRIBED BY GSA/FAR 48 CFR 53.213(f)

TEMPLATE - ADM001

SUNSI REVIEW COMPLETE

OCT 09 2012

ADM002

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STATEMENT OF WORK..... Attachment 1

DELIVERY ORDER TERMS AND CONDITIONS NOT SPECIFIED IN THE CONTRACT

A.1 BRIEF PROJECT TITLE AND WORK DESCRIPTION (AUG 2011)

(a) The title of this project is: TECHNICAL ASSISTANCE FOR THE DEVELOPMENT OF THE LICENSING DOCUMENTS IN SUPPORT OF THE PRAIRIE ISLAND INDEPENDENT SPENT FUEL STORAGE INSTALLATION LICENSE RENEWAL APPLICATION

(b) Summary work description:

The objective of this task order is to obtain technical assistance with the review of the applicant's license renewal application and Safety Analysis Report (SAR), and in the development of the Safety Evaluation Report (SER) (including preparing input, preparing the Request for Additional Information (RAI) and reviewing applicant responses to the RAI) and development of revised technical specifications. The review may include confirmatory modeling as appropriate.

A.2 CONSIDERATION AND OBLIGATION—COST-PLUS-AWARD-FEE (AUG 2011)

(a) The total estimated cost to the Government for full performance of this task order is \$67,092 of which the sum of \$ represents the estimated reimbursable costs, and of which represents the base fee.

(b) An award fee pool of is hereby established for this task order. Evaluation of award fee earned will be accomplished in accordance with the Award Fee Plan (AFP) attached as Attachment 8 to the Contract. The Government reserves the right to unilaterally change the content of the AFP at any time during the life of this contract. Any changes to the plan will be furnished to the Contractor prior to the date they become effective. The amount of award fee available for each period of evaluation and the amount of time for each period will be set forth in the AFP. The final evaluation and determination as to the amount of award fee earned during an evaluation period shall be made unilaterally by the Fee Determination Official (FDO). The Contractor shall be advised of the award fee decision by letter which shall include the rationale for reaching the decision.

(c) The amount obligated by the Government with respect to this task order is \$6,953.

(d) This is a fully-funded contract and FAR 52.232-20 - "Limitation of Cost" applies.

A.3 PACKAGING AND MARKING (AUG 2011)

(a) The Contractor shall package material for shipment to the NRC in such a manner that will ensure acceptance by common carrier and safe delivery at destination. Containers and closures shall comply with the Surface Transportation Board, Uniform Freight Classification Rules, or regulations of other carriers as applicable to the mode of transportation.

(b) On the front of the package, the Contractor shall clearly identify the contract number under which the product is being provided.

(c) Additional packaging and/or marking requirements are as follows: N/A

A.4 PLACE OF DELIVERY--REPORTS (AUG 2011)

The items to be furnished electronically to:

Deborah.DeMarco@nrc.gov
Pamela.Longmire@nrc.gov
BJennifer.Davis@nrc.gov
Michael.Waters@nrc.gov
Valerie.whipple@nrc.gov

A.5 TASK/DELIVERY ORDER PERIOD OF PERFORMANCE (AUG 2011)

This order shall commence on October 1, 2012 and will expire on September 15, 2013.

A.6 2052.215-70 KEY PERSONNEL (JAN 1993)

(a) The following individuals are considered to be essential to the successful performance of the work hereunder:

Dr. Todd Mintz	Program Manager
Dr. Asad Chowdhury	Principal Investigator
Dr. Yi-Ming Pan	Program Manager
Dr. Earl Lynn Tipton	Research Engineer
Dr. Thomas Wilt	Senior Research Engineer

The contractor agrees that personnel may not be removed from the contract work or replaced without compliance with paragraphs (b) and (c) of this section.

(b) If one or more of the key personnel, for whatever reason, becomes, or is expected to become, unavailable for work under this contract for a continuous period exceeding 30 work days, or is expected to devote substantially less effort to the work than indicated in the proposal or initially anticipated, the contractor shall immediately notify the contracting officer and shall, subject to the concurrence of the contracting officer, promptly replace the personnel with personnel of at least substantially equal ability and qualifications.

(c) Each request for approval of substitutions must be in writing and contain a detailed explanation of the circumstances necessitating the proposed substitutions. The request must also contain a complete resume for the proposed substitute and other information requested or needed by the contracting officer to evaluate the proposed substitution. The contracting officer and the project officer shall evaluate the contractor's request and the contracting officer shall promptly notify the contractor of his or her decision in writing.

(d) If the contracting officer determines that suitable and timely replacement of key personnel who have been reassigned, terminated, or have otherwise become unavailable for the contract work is not reasonably forthcoming, or that the resultant reduction of productive effort would be so substantial as to impair the successful completion of the contract or the service order, the contract may be terminated by the contracting officer for default or for the convenience of the Government, as appropriate. If the contracting officer finds the contractor at fault for the condition, the contract price or fixed fee may be equitably adjusted downward to compensate the Government for any resultant delay, loss, or damage.

A.7 A.8 2052.215-71 CONTRACTING OFFICER'S REPRESENTATIVE AUTHORITY (NOVEMBER 2006)

(a) The contracting officer's authorized representative (hereinafter referred to as the COR) for this contract is:

Name: Deborah DeMarco

Address: Mail Stop EBB/E2 C12
Washington, DC 20555

Telephone Number: 301-492-3143

(b) Performance of the work under this contract is subject to the technical direction of the NRC COR. The term "technical direction" is defined to include the following:

(1) Technical direction to the contractor which shifts work emphasis between areas of work or tasks, authorizes travel which was unanticipated in the Schedule (i.e., travel not contemplated in the Statement of Work (SOW) or changes to specific travel identified in the SOW), fills in details, or otherwise serves to accomplish the contractual SOW.

(2) Provide advice and guidance to the contractor in the preparation of drawings, specifications, or technical portions of the work description.

(3) Review and, where required by the contract, approval of technical reports, drawings, specifications, and technical information to be delivered by the contractor to the Government under the contract.

(c) Technical direction must be within the general statement of work stated in the contract. The COR does not have the authority to and may not issue any technical direction which:

(1) Constitutes an assignment of work outside the general scope of the contract.

(2) Constitutes a change as defined in the "Changes" clause of this contract.

(3) In any way causes an increase or decrease in the total estimated contract cost, the fixed fee, if any, or the time required for contract performance.

(4) Changes any of the expressed terms, conditions, or specifications of the contract.

(5) Terminates the contract, settles any claim or dispute arising under the contract, or issues any unilateral directive whatever.

(d) All technical directions must be issued in writing by the COR or must be confirmed by the COR in writing within ten (10) working days after verbal issuance. A copy of the written direction must be furnished to the contracting officer. A copy of NRC Form 445, Request for Approval of Official Foreign Travel, which has received final approval from the NRC must be furnished to the contracting officer.

(e) The contractor shall proceed promptly with the performance of technical directions duly issued by the COR in the manner prescribed by this clause and within the COR's authority under the provisions of this clause.

(f) If, in the opinion of the contractor, any instruction or direction issued by the COR is within one of the categories as defined in paragraph (c) of this section, the contractor may not proceed but shall notify the contracting officer in writing within five (5) working days after the receipt of any instruction or direction and shall request the contracting officer to modify the contract accordingly. Upon receiving the notification from the contractor, the contracting officer

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shall issue an appropriate contract modification or advise the contractor in writing that, in the contracting officer's opinion, the technical direction is within the scope of this article and does not constitute a change under the "Changes" clause.

(g) Any unauthorized commitment or direction issued by the COR may result in an unnecessary delay in the contractor's performance and may even result in the contractor expending funds for unallowable costs under the contract.

(h) A failure of the parties to agree upon the nature of the instruction or direction or upon the contract action to be taken with respect thereto is subject to 52.233-1 -Disputes.

(i) In addition to providing technical direction as defined in paragraph (b) of the section, the COR shall:

(1) Monitor the contractor's technical progress, including surveillance and assessment of performance, and recommend to the contracting officer changes in requirements.

(2) Assist the contractor in the resolution of technical problems encountered during performance.

(3) Review all costs requested for reimbursement by the contractor and submit to the contracting officer recommendations for approval, disapproval, or suspension of payment for supplies and services required under this contract.

(4) Assist the contractor in obtaining the badges for the contractor personnel.

(5) Immediately notify the Security Branch, Division of Facilities and Security (SB/DFS) (via e-mail) when a contractor employee no longer requires access authorization and return of any NRC issued badge to SB/DFS within three days after their termination.

(6) Ensure that all contractor employees that require access to classified Restricted Data or National Security Information or matter, access to sensitive unclassified information (Safeguards, Official Use Only, and Proprietary information) access to sensitive IT systems or data, unescorted access to NRC controlled buildings/space, or unescorted access to protected and vital areas of nuclear power plants receive approval of SB/DFS prior to access in accordance with Management Directive and Handbook 12.3.

(7) For contracts for the design, development, maintenance or operation of Privacy Act Systems of Records, obtain from the contractor as part of closeout procedures, written certification that the contractor has returned to NRC, transferred to the successor contractor, or destroyed at the end of the contract in accordance with instructions provided by the NRC Systems Manager for Privacy Act Systems of Records, all records (electronic or paper) which were created, compiled, obtained or maintained under the contract.

A.8 2052.215-78 TRAVEL APPROVALS AND REIMBURSEMENT -ALTERNATE 1 (OCT 1999)

(a) Total expenditure for travel may not exceed **\$9,032** without the prior approval of the contracting officer.

(b) All foreign travel must be approved in advance by the NRC on NRC Form 445, Request for Approval of Official Foreign Travel, and must be in compliance with FAR 52.247-63 Preference for U.S. Flag Air Carriers. The contractor shall submit NRC Form 445 to the NRC no later than 30 days prior to the commencement of travel.

(c) The contractor will be reimbursed only for those travel costs incurred that are directly related to this contract and which are allowable subject to the limitations prescribed in FAR 31.205-46.

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(d) It is the responsibility of the contractor to notify the contracting officer in accordance with the FAR Limitations of Cost clause of this contract when, at any time, the contractor learns that travel expenses will cause the contractor to exceed the travel ceiling amount identified in paragraph (a) of this clause.

(e) Reasonable travel costs for research and related activities performed at State and nonprofit institutions, in accordance with Section 12 of Pub. L. 100-679, shall be charged in accordance with the contractor's institutional policy to the degree that the limitations of Office of Management and Budget (OMB) guidance are not exceeded. Applicable guidance documents include OMB Circular A-87, Cost Principles for State and Local Governments; OMB Circular A-122, Cost Principles for Nonprofit Organizations; and OMB Circular A-21, Cost Principles for Educational Institutions.

A.9 ELECTRONIC PAYMENT (AUG 2011)

The Debt Collection Improvement Act of 1996 requires that all payments except IRS tax refunds be made by Electronic Funds Transfer. Payment shall be made in accordance with FAR 52.232-33, entitled "Payment by Electronic Funds- Central Contractor Registration".

To receive payment, the contractor shall prepare invoices in accordance with NRC's Billing Instructions. Claims shall be submitted on the payee's letterhead, invoice, or on the Government's Standard Form 1034, "Public Voucher for Purchases and Services Other than Personal," and Standard Form 1035, "Public Voucher for Purchases Other than Personal - Continuation Sheet." The preferred method of submitting invoices is electronically to the Department of the Interior at NRCPayments_NBCDenver@nbc.gov. If the contractor submits a hard copy of the invoice, it shall be submitted to the following address:

Department of the Interior
National Business Center
Attn: Fiscal Services Branch - D2770
7301 West Mansfield Avenue
Denver, CO 80235-2230

A.10 WHISTLEBLOWER PROTECTION FOR NRC CONTRACTOR AND SUBCONTRACTOR EMPLOYEES (AUG 2011)

(a) The U.S. Nuclear Regulatory Commission (NRC) contractor and its subcontractor are subject to the Whistleblower Employee Protection public law provisions as codified at 42 U.S.C. 5851. NRC contractor(s) and subcontractor(s) shall comply with the requirements of this Whistleblower Employee Protection law, and the implementing regulations of the NRC and the Department of Labor (DOL). See, for example, DOL Procedures on Handling Complaints at 29 C.F.R. Part 24 concerning the employer obligations, prohibited acts, DOL procedures and the requirement for prominent posting of notice of Employee Rights at Appendix A to Part 24 entitled: "Your Rights Under the Energy Reorganization Act".

(b) Under this Whistleblower Employee Protection law, as implemented by regulations, NRC contractor and subcontractor employees are protected from discharge, reprisal, threats, intimidation, coercion, blacklisting or other employment discrimination practices with respect to compensation, terms, conditions or privileges of their employment because the contractor or subcontractor employee(s) has provided notice to the employer, refused to engage in unlawful practices, assisted in proceedings or testified on activities concerning alleged violations of the Atomic Energy Act of 1954 (as amended) and the Energy Reorganization Act of 1974 (as amended).

(c) The contractor shall insert this or the substance of this clause in any subcontracts involving work performed under this contract.

A.11 GREEN PURCHASING (JUN 2011)

(a) In furtherance of the sustainable acquisition goals of Executive Order 13514, "Federal Leadership in Environmental, Energy, and Economic Performance" products and services provided under this contract/order shall be energy- efficient (Energy Star or Federal Energy Management Program (FEMP) designated), water-efficient, biobased, environmentally preferable (e.g., Electronic Product Environmental Assessment Tool (EPEAT) certified), non-ozone depleting, contain recycled content, or are non-toxic or less toxic alternatives, where such products and services meet agency performance requirements. <http://www.fedcenter.gov/programs/eo13514/>

(b) The contractor shall flow down this clause into all subcontracts and other agreements that relate to performance of this contract/order.

A.12 USE OF AUTOMATED CLEARING HOUSE (ACH) ELECTRONIC PAYMENT/REMITTANCE ADDRESS (AUG 2011)

The Debt Collection Improvement Act of 1996 requires that all Federal payments except IRS tax refunds be made by Electronic Funds Transfer. It is the policy of the Nuclear Regulatory Commission to pay government vendors by the Automated Clearing House (ACH) electronic funds transfer payment system. Item 15C of the Standard Form 33 may be disregarded.

A.13 LICENSE FEE RECOVERY COSTS (AUG 2011)

Included as an attachment are Billing Instructions for license fee recovery costs. A fee recovery report must be submitted by the contractor in conjunction with its monthly invoice.

PROJECT TITLE: OPS PLAN FOR TECHNICAL ASSISTANCE FOR THE PRAIRIE ISLAND INDEPENDENT SPENT FUEL STORAGE INSTALLATION LICENSE RENEWAL (NMSS/SFST)

TASK TITLE: TECHNICAL ASSISTANCE FOR THE DEVELOPMENT OF THE LICENSING DOCUMENTS IN SUPPORT OF THE PRAIRIE ISLAND INDEPENDENT SPENT FUEL STORAGE INSTALLATION LICENSE RENEWAL APPLICATION

TASK ORDER NUMBER: 007
JOB CODE: J5708
B&R NUMBER: 12-50-33-4-189
ISSUING OFFICE: NMSS
NRC TASK ORDER CONTRACTING OFFICERS REPRESENTATIVE (TO COR): Deborah DeMarco (301) 492-3143
NRC TECHNICAL PROJECT MANAGER (TPM): TBD
FEE RECOVERABLE: Yes
TAC NUMBER: TAC L24592
DOCKET NUMBER: 72-10

1.0 BACKGROUND

The U.S. Nuclear Regulatory Commission (NRC) staff received an application from Northern States Power Company, a Minnesota corporation, d/b/a Xcel Energy (hereafter "NSPM") by letter dated October 20, 2011 (Agency-wide Documents Access and Management System (ADAMS) accession number ML11304A068), as supplemented February 29 (ML12065A073) and April 26, 2012 (ML121170406) for renewal of the Prairie Island Nuclear Generating Plant Independent Spent Fuel Storage Installation (ISFSI) Material License No SNM-2506. The current license expires on October 31, 2013. In the license renewal application, NSPM requests to extend the license for an additional 40 years.

NRC staff performed an acceptance review of the license renewal application to determine if the application contains sufficient technical information in scope and depth to allow the staff to complete the detailed technical review. On March 30, 2012, NRC notified NSPM that the application contains sufficient information for NRC staff to conduct a detailed technical review.

2.0 OBJECTIVE

The objective of this task order is to obtain technical assistance with the review of the applicant's license renewal application and Safety Analysis Report (SAR), and in the development of the Safety Evaluation Report (SER) (including preparing input, preparing the Request for Additional Information (RAI) and reviewing applicant responses to the RAI) and development of revised technical specifications. The review may include confirmatory modeling as appropriate.

3.0 STAFFING

The contractor shall ensure that the technical staff performing under this task order possess the necessary experience and expertise in the technical areas assigned to them. The NRC reserves the right to approve the Project Manager and the individual technical staff assigned to

each task from the necessary technical disciplines. The principal investigators represent the technical expertise provided by the contractor and provide technical continuity during the entire review process. They should have professional credentials in the technical areas assigned to them that will qualify them as expert witnesses for testifying at public hearings (for the ISFSI renewal). For the disciplines they represent, they should have a clear understanding of the depth of review generally required by the NRC for licensing activities associated with 10 CFR Part 72 for license renewals, and specifically required by the type of activity proposed by the applicants for the disciplines they represent. They should also have a clear understanding of the specific regulatory requirements, acceptance criteria, review procedures, and evaluation findings that are specified in NRC standard review plans and SFST Office Instructions associated with license renewal.

The reviewers shall be responsible for technical review of discrete areas, or shall provide support to SFST technical reviewers in discrete areas, as identified by the NRC Program Element Manager or Project Officer, within the entire review effort. Reviews can be performed by any qualified staff member but may be performed by a principal investigator or by the Project Manager. At a minimum, the major disciplines needed include:

1. Materials Engineers/Scientists with experience in materials aging and degradation;
2. Civil/Structural Engineers with experience in structural aging;
3. Nuclear Engineers with experience in criticality and shielding design, including experience in the use of MCNP and SCALE Codes; and
4. Nuclear or Mechanical Engineers with experience in heat transfer and containment analyses, including experience with thermal modeling codes.

The Center for Nuclear Waste Regulatory Analyses (CNWRA) staff must be approved by SFST prior to commencing the subject reviews. Substitution of new CNWRA staff technical reviewers for previously SFST approved reviewers must also be approved by SFST prior to commencing/taking over the subject reviews. This approval may require that CNWRA staff be interviewed by SFST.

4.0 SCOPE OF WORK AND DELIVERABLES

The contractor shall review relevant portions of the license renewal application, including the scoping analyses, time-limited aging analyses, aging management program information, updates to the Final Safety Analysis Report, and supporting calculations and documentation. The requirements of 10 CFR Part 72 and the standard review plan for ISFSI license renewals (NUREG-1927) will dictate the overall scope of the assessment, with an emphasis on examination of potential aging effects and degradation. A primary focus of the review will be in areas related to aging management of structures, systems, and components important to safety. Specifically this will include review of: structural aspects of the fuel canister and concrete overpack, and how aging has affected them; the effects of aging on shielding, criticality, and confinement systems; the extent to which aging has compromised sealing systems and; whether loading or unloading compatibility with wet and dry spent fuel loading and unloading facilities have been impacted by aging. The contractor shall use NUREG-1927, NUREG-1536 and NUREG-1567 (and associated staff guidance) to the fullest extent possible, as appropriate, when making findings during the course of this review. The contractor shall consult with the assigned SFST Branch Chief, or SFST technical reviewer, on a periodic basis regarding expectations for the depth of review in each area, the need for confirmatory analyses, and initial technical issues prior to development of draft SER input.

The contractor shall initially provide input for a draft SER in accordance with SFST Office Instruction 2, and as assigned by the NRC project manager. This input may be presented as

draft chapters or sections of an SER or, if appropriate, as a draft SER, based on a thorough review of the license renewal application and SAR. The draft SER input shall identify potential deficiencies in the application, and additional information that is needed from the applicant. The effort may also include drafting revised technical specifications. As part of providing input for a draft SER, the contractor shall prepare RAI questions (if needed) during his/her review in accordance with SFST format and applicable policies specified in SFST Office Instructions 3 and 4. The contractor may also be required to review the SERs and RAIs from other recent NRC license renewal applications as a check for regulatory consistency. The contractor shall review the applicant's responses to the RAIs to determine if deficiencies have been appropriately addressed.

The reviewers shall be requested to assist in teleconferences and public meetings with the applicant with regard to license renewal and SAR issues. The reviewers may also be requested to assist in resolving technical comments, support during adjudication (if the ISFSI renewal application should be contested) and providing expert testimony, as necessary. The reviewers shall also be requested to participate in team meetings during the course of the review.

The following deliverables shall be required from the contractor:

4.1 Prairie Island ISFSI Renewal

A. Requests for Additional Information

Within 30 days of acceptance of the application and SAR, the contractor shall meet with appropriate staff (by teleconference, or in person) to discuss the depth of review that is recommended in each area, and the need for confirmatory analyses. Within 75 days, the contractor shall email the SFST Branch Chief (or designated NRC staff) a list of major technical issues that have been initially identified prior to the development of a draft SER. Within 60 days of receipt of the application and SAR, the contractor shall provide the NRC staff with input into an initial request for additional information, in the format specified by the NRC staff. This will document additional information needed in order for a determination of compliance with applicable regulatory requirements to be made. The aforementioned events occurred during FY12 but retained herein for continuity of discussion. In FY13, if necessary, the contractor shall provide draft input into a second RAI to the NRC staff 60 days after the applicant's responses to the first RAI are provided to the contractor, with final input due 90 days after the responses are received. The contractor shall provide draft SER input to the SFST Branch Chief (or designated NRC staff) concurrent with each RAI input.

B. Safety Evaluation Reports

The contractor shall provide SER input to the NRC staff, in the format provided by staff, TBD days after the receipt of the response to the final RAI. Staff will review the inputs and, if necessary, request a final version within TBD days of receipt of staff comments on the draft.

If requested by the staff, the contractor may be required to give a presentation of its work to an NRC peer review group. The presentation will defend contractor evaluations and conclusions that will be submitted in each SER. As a result of the presentation, the contractor may be required to provide additional work. The presentation will be given at least 15 days before submittal of final input.

5.0 PROJECT MANAGEMENT

Maintain Effective Communication with NRC Staff

The contractor shall maintain effective communication with the NRC TPM to help coordinate and integrate with NRC's technical and decision-making activities. For the duration of this task order, the contractor shall participate in a weekly telephone call with the NRC's TPM to discuss the progress to date. The contractor's Project Manager and NRC TPM shall participate in quarterly progress meetings either in Rockville, MD or at the contractor's place of business, as may be requested by the NRC TPM.

For All Communications

The contractor shall coordinate all necessary NRC communication for the specific task through the NRC's TPM or designee (as may be temporarily established via electronic or hard-copy written communication from the NRC TPM).

NRC Comments

The contractor shall resolve NRC comments through the NRC TPM when making revisions to any deliverable under each task in this task description.

Quality Assurance for the Project

The contractor shall implement and maintain quality assurance requirements for the project in accordance with Section 14.0 below.

6.0 ACCEPTANCE CRITERIA

The contractor shall document the preparation of the SER and maintain appropriate records. An inventory list or copies of such records shall be provided upon request by the NRC TPM.

The draft and final SER shall provide sufficient detail for members of the public to understand the basis of the conclusions reached. The text of these documents shall be supported by appropriate tables and graphics. Each deliverable provided by the contractor shall include directly or be accompanied by enough technical detail so that the NRC may confirm the contractor's methodologies and calculations. The SER shall use both incorporation by reference and tiering, as applicable.

7.0 LEVEL OF EFFORT

The total level of effort for all tasks is 332 hours.

8.0 MEETINGS AND TRAVEL

The contractor staff assigned for the technical reviews, if deemed necessary, shall be detailed to SFST, and would report directly to the appropriate SFST branch chief. Each staff person would spend up to two weeks working at NRC headquarters in the SFST program office for the Prairie Island ISFSI license renewal. NRC will fund travel and living expenses according to NRC travel regulations, and will provide an appropriate work-space at 6003 Executive Blvd, Rockville, MD 20852.

In addition, for planning purposes throughout the duration of this task, it is expected that there will be monthly coordination meetings between the contractor and NRC staff by telephone or video conference. During the final development of RAIs and SERs, daily interaction may be necessary to finalize licensing products. At the NRC's direction, the contractor shall attend meetings at NRC headquarters in Rockville, MD to plan, coordinate, resolve issues, and discuss the progress and status of the work. NRC will fund only those trips approved by the NRC Contracting Officer in advance and that are directly related to this project description.

9.0 NRC FURNISHED MATERIAL

NRC will provide the contractor, as appropriate, with copies of NRC's current regulations, guidance documents, storage and transportation cask documents, and other documents identified as pertinent to performing the required work.

10.0 CONTRACTOR ACQUIRED MATERIAL

No materials are expected to be acquired.

11.0 REPORTS

Eight (8) hard copies of the draft and final versions of all reports covering each task shall be forwarded to the NRC TPM, as well as an electronic version (via electronic mail with electronic attachments and uploaded to SharePoint) consistent with the word processor in use at the NRC (currently Microsoft Word 2003) or in portable document format (i.e., *.pdf), as appropriate. Additionally, one hard copy shall be sent to the NRC Contracting Officer (CO) as soon as the documents are required to be available.

12.0 TECHNICAL/PROJECT DIRECTION

Deborah DeMarco is the NRC TO COR. The NRC TPM is TBD. The NRC TO COR is the focal point for all task order-related activities.

Technical direction may be provided by the NRC TPM to the contractor during the duration of this task order. Technical direction shall not constitute new assignments of work or changes of such a nature as to justify an adjustment in cost or period of performance. Directions, if any, for changes in scope of work, cost, or period of performance will be issued by the NRC CO.

13.0 STANDARD WORK PRACTICES

For all draft and final reports under this agreement, the contractor shall assure that an independent review of numerical computations, mathematical equations, and derivations is performed by qualified technical staff other than the original author(s) of the reports and other than the person who performed the original calculation. If the contractor proposes to check less than 100 percent of all computations, mathematical equations, and derivations in the report(s) (such as may be the case when there is a large number of routine, repetitive calculations), the contractor must first obtain written approval from the NRC PO. In addition, all reports, including those which do not contain numerical analyses must be reviewed for consistency and readability by the contractor's management and approved with two signatures. One signature must be from the contractor's Project Manager, and one signature must be from a manager at a higher level than the contractor's Project Manager. Informal submittals/deliverables must be reviewed and forwarded from at least the Project Manager level.

When revisions for reports are issued, a section must be included in the revised report to document dates of, reasons for, and scope of all changes made since the issuance of the first contractor's approved report.

NRC has the option of appointing a Peer Group to review, comment, and recommend changes to the draft and final reports. The contractor may recommend candidates for the Peer Group for approval by the NRC TPM.

In the case of dissent in the content of the final report, the dissenting party shall have the option of stating its viewpoints and findings. Such statements may appear in the report as decided by the NRC.

This section does not intend to create the development of a formal quality assurance program nor does it require formal quality assurance program documentation or review.

**APPENDIX A
SCHEDULE AND DELIVERABLES**

Table A-1 lists the milestones for the Prairie Island Independent Spent Fuel Storage Installation (ISFSI) license renewal review. Additional milestones related to the adjudicatory process will be identified and prepared in coordination with the NRC TPM. The CNWRA input to the NRC staff positions on contentions will be delivered as administrative items. CNWRA staff participation in the preparation for hearings and in the hearings will be managed according to guidance from the Office of the General Counsel (OGC). Work for this task is expected to continue through September 15, 2013. Any required revision to deliverable dates will be coordinated with the NRC TPM.

Table A-1. Milestones for the Prairie Island Independent Spent Fuel Storage Installation License Renewal Application Review conducted by CNWRA

Type	Milestone	Date
IM†	Review initial Request for Additional Information responses	TBD
AI‡	Second Request for Additional Information (if needed) (Draft Letter Report)	60 days after start date
IM	Second Request for Additional Information (Final Letter Report)	90 days after start date
AI	Safety Evaluation Report (Draft Letter Report)	TBD
IM	Presentation of the Safety Evaluation Report to an NRC Peer Review Group at NRC	TBD
IM	Safety Evaluation Report (Final Letter Report)	TBD
† Intermediate Milestone		
‡ Administrative Item		