

ORDER FOR SUPPLIES OR SERVICES

PAGE OF PAGES
1 22

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

BPA NO. NRC-HQ-11-A-42-0028

1. DATE OF ORDER 07-02-2012		2. CONTRACT NO. (if any) GS10F0124J		6. SHIP TO:	
3. ORDER NO. NRC-T002		4. REQUISITION/REFERENCE NO. FSM-12-097		a. NAME OF CONSIGNEE U.S. Nuclear Regulatory Commission	
5. ISSUING OFFICE (Address correspondence to) U.S. Nuclear Regulatory Commission Div. of Contracts Attn: Morie Gunter-Henderson Mail Stop: TWB-01-B10M Washington, DC 20555				b. STREET ADDRESS	
7. TO:				c. CITY Washington	d. STATE DC
a. NAME OF CONTRACTOR ICF INCORPORATED, L.I.C. ICF INCORPORATED				f. SHIP VIA	
b. COMPANY NAME				8. TYPE OF ORDER	
c. STREET ADDRESS 9300 LEE HWY				<input type="checkbox"/> a. PURCHASE <input type="checkbox"/> b. DELIVERY 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 FAIRFAX		e. STATE VA	f. ZIP CODE 220316050		
9. ACCOUNTING AND APPROPRIATION DATA 2012-55-35-4-117 F1159 252A 31X0200 OBLIGATE: \$18,751.85 Contractor DUNS: 072648579 FFS: 122313				10. REQUISITIONING OFFICE FSM	
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
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)
	Task Order No.2 entitled " Technical Assistance with Preparation of Rulemaking and Regulatory Guidance Related to Financial Assurance for Decommissioning and Subsurface Soil and Ground Water Monitoring of Materials and Reactor Facilities" The issuance of this task order does not amend any other terms and conditions of the subject BPA. Period of Performance: 07/02/2012 - 10/31/2012 with four option year periods. Ceiling amount: \$326,293.00 Obligated amount: \$18,751.85					

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						
c. CITY Denver		d. STATE CO	e. ZIP CODE 80235-2230		\$18,751.85		17(i) GRAND TOTAL
22. UNITED STATES OF AMERICA BY (Signature) 						23. NAME (Typed) Morie Gunter-Henderson Contracting Officer TITLE: CONTRACTING/ORDERING OFFICER	

SUNSI REVIEW COMPLETE

JUL 11 2012

TEMPLATE - ADM001

ADM002

Nuclear Regulatory Commission

BLANKET PURCHASE AGREEMENT

Your contracts during the course of this task order are as follows:

Technical Matter: Elinor Cunningham
Project Officer
301 415-6580

Contractual Matters: Morie Gunter-Henderson Morie.Gunter-Henderson@nrc.gov
Contract Specialist
301 492-3648

Acceptance of Task Order No. NRC-T002 should be made by having an official, authorized to bind your organization. Return to the Contract Specialist at the address identified in Block No.5 of the OF 347.

ACCEPTANCE:

A handwritten signature, possibly reading 'V. L.', is written over a horizontal line.

NAME

Director, Contracts

TITLE

July 9, 2012

DATE

A.1 FSS-BPA TERMS AND CONDITIONS

This order is subject to the terms referenced in BPA NRC-HQ-11-A-42-0028 and the General Services Administration (GSA) Federal Supply Schedule Contract # GS10F0124J.

A.2 TASK/DELIVERY ORDER PERIOD OF PERFORMANCE (AUG 2011)

This order shall commence on 07/02/2012 and will expire on 10/31/2012 for the base period.

Option Period 1: 11/01/2012 – 10/31/2013

Option Period 2: 11/01/2013 – 10/31/2014

Option Period 3: 11/01/2014 – 10/31/2015

Option Period 4: 11/01/2015 – 10/31/2016

TASK ORDER STATEMENT OF WORK

JCN Q4272 (F1159-FSME)	Contractor ICF	Task Order No. 2
Applicant NA	Design/Site NA	Docket No. NA
Title/Description Technical Assistance with Preparation of Rulemaking and Regulatory Guidance Related to Financial Assurance for Decommissioning and Subsurface Soil and Groundwater Monitoring of Materials and Reactor Facilities		
TAC No. NA	B&R Number 55354117	SRP or ESRP Section(s)
NRC Task Order Project Officer (PO) Elinor Cunningham 301-415-8580 Elinor.Cunningham@nrc.gov		
NRC Technical Monitor (TM) Kenneth Kline 301-415-7075 Kenneth.Kline@nrc.gov		

1.0 BACKGROUND

As a result of the beneficial use of radioactive materials, satisfactory decommissioning is required to protect the public and environment. Decommissioning, the restoration and reduction in the radiation of a facility, may but need not necessarily imply the cessation of operations and commencement of final restoration of a facility or site. The U.S. Nuclear Regulatory Commission (NRC) has the authority to establish and enforce regulations requiring licensees to demonstrate financial responsibility for their activities such as construction, operation, closure, decommissioning, and stabilization of their licensed facilities. This authority is based on the Atomic Energy Act of 1954, as amended, the Uranium Mill Tailings Radiation Control Act of 1978, as amended, and the Nuclear Waste Policy Act of 1982, as amended. The regulatory requirements and guidance necessary for the protection of public health and safety, common defense and security, and the environment in the civilian use of nuclear power and nuclear materials tend to evolve over time, and thus is the genesis for this task order.

NRC's Office of Federal and State Materials and Environmental Management Programs (FSME) is mandated to ensure public health and safety and to protect the national security and environment in the licensing and regulation of civilian nuclear facilities (other than operating reactors) and materials associated with the processing, transport, and handling of nuclear materials and disposal of nuclear waste. This mandate includes ensuring that licensees possess the financial capability to perform certain planned activities during operation, decommissioning, and closure. The Division of Waste Management and Environmental Protection (DWMEP) in FSME has the lead responsibility for conceptualizing and implementing the regulatory provisions for financial assurance for licensees other than operating reactors.

The scope of this task order is to provide technical assistance with the preparation of rulemaking to provide reasonable assurance that adequate funds will be available for decommissioning. Based on experience gained since the radiological criteria for license termination rule was issued (62 FR 39058, July 21, 1997), the NRC has determined (1) the cost of remediation of sites with subsurface soil contamination may be very high, in the tens of millions of dollars, due to large volumes of contaminated material and (2) the licensee may not

be aware of the extent of the contamination until it prepares its decommissioning plan. Therefore, NRC has determined it must revise its inspection guidance and regulations in order to provide for earlier identification of subsurface contamination, and to make provisions for remediation of it. This task order will provide FSME with support for the rulemaking process to amend its regulations and guidance to achieve earlier recognition of and preparation for remediation of subsurface soil and groundwater contamination.

In addition, based on experience with financial assurance for decommissioning costs since the general requirements for decommissioning nuclear facilities rule was issued (53 FR 24018, June 27, 1988), the NRC determined that its financial assurance regulations for certain classes of licensees should be amended to increase the likelihood that funds for decommissioning will be available when needed. This task order will provide FSME with technical, financial, and legal information relevant to amending its financial assurance regulations in 10 CFR Parts 30, 40, 50, 70, 72, and 76 including financial assurance for reactors licensed under 10 CFR Part 50.

Applicable NRC regulations and regulatory guidance that the contractor shall use in its reviews for the financial area shall include, but not be limited to:

- NUREG-0706, Volumes 1, 2, and 3, "Final Generic Environmental Impact Statement on Uranium Milling: Project M-25," dated September 1980;
- NUREG-1307, "Report on Burial Charges: Changes in Decommissioning Waste Disposal Costs at Low-Level Waste Burial Facilities," latest revision;
- NUREG-1520, "Standard Review Plan for the Review of a License Application for a Fuel Cycle Facility – Final Report," latest revision;
- NUREG-1556, Vol. 15, "Consolidated Guidance About Materials Licenses: Guidance About Changes of Control and About Bankruptcy Involving Byproduct, Source, or Special Nuclear Materials Licenses," dated November 2000;
- NUREG-1567, "Standard Review Plan for Spent Fuel Dry Storage Facilities," dated March 2000;
- NUREG-1569, "Standard Review Plan for In Situ Leach Uranium Extraction License Applications," dated June 2003;
- NUREG-1620, Rev. 1, "Standard Review Plan for the Review of a Reclamation Plan for Mill Tailings Sites Under Title II of the Uranium Mill Tailings Radiation Control Act of 1978," dated June 2003;
- NUREG-1713, "Standard Review Plan for Decommissioning Cost Estimates for Nuclear Power Reactors," dated December 2004;
- NUREG-1748, "Environmental Review Guidance for Licensing Actions Associated with NMSS Programs," dated August 2003;
- NUREG-1757, Volume 3, Rev. 1, "Consolidated NMSS Decommissioning Guidance, Financial Assurance, Recordkeeping and Timeliness," dated February 2012 2003;
- NUREG-1700, Rev. 1, "Standard Review Plan for Evaluating Nuclear Power Reactor License Termination Plans," dated April 2003;
- NUREG-1910, Volumes 1 and 2, "Generic Environmental Impact Statement for In-Situ Leach Uranium Milling Facilities," dated May 2009;
- NUREG/BR-0058, Rev. 4, "Regulatory Analysis Guidelines of the U.S. Nuclear Regulatory Commission," dated September 2004;
- NUREG/BR-0184, "Regulatory Analysis Technical Evaluation Handbook," dated January 1997;

- Regulatory Guide 1.159; "Assuring the Availability of Funds for Decommissioning Nuclear Reactors," dated October 2003;
- 10 CFR Parts 30, 40, 50, 70, 72, 76;
- Decommissioning cost studies prepared by Pacific Northwest National Laboratories (PNNL) and other NRC contractors; and
- "Technical Position on Financial Assurances for Reclamation, Decommissioning, and Long-Term Surveillance and Control of Uranium Recovery Facilities," dated October 1988.

For the subsurface contamination monitoring, applicable NRC regulations and regulatory guidance that the contractor shall use in its reviews shall include, but not be limited to:

- NUREG-1700, Rev. 1, "Standard Review Plan for Evaluating Nuclear Power Reactor License Termination Plans," dated April 2003;
- NUREG-1757, Volume 1, Rev. 2, "Consolidated Decommissioning Guidance: Decommissioning Process for Materials Licensees," dated September 2006;
- 10 CFR Part 19; "Notices, Instructions, and Reports to Workers: Inspections and Investigations," latest revision;
- NRC inspection procedure IP 42700, "Plant Procedures," dated November 1995;
- NRC inspection procedure IP 62709, "Configuration Risk Assessment and Risk Management Process," dated December 2000;
- NRC inspection procedure IP 71846, "Review Conduct of Operation," dated October 1976;
- NRC inspection procedure IP 84750, "Radioactive Waste Treatment, and Effluent and Environmental Monitoring," dated March 1994.

2.0 OBJECTIVE

The objective of this task order is to provide assistance for developing technical, financial, and legal bases for amending the NRC's regulations to improve the likelihood that (a) subsurface and soil and groundwater contamination will be adequately characterized and (b) funds for decommissioning will be available when needed.

The tasks are to:

- (1) evaluate the financial and legal risks that funds will not be available when needed for decommissioning;
- (2) develop the technical basis and recommendations for the staff's development of proposed rulemaking and statement of considerations;
- (3) prepare draft regulatory guidance for changes in the financial assurance regulations;
- (4) perform analyses of public comments on draft guidance, the notice of proposed rulemaking and technical basis, and recommendations for the staff's development of the final rulemaking and statement of considerations; and
- (5) prepare final regulatory guidance for changes in the financial assurance regulations.

3.0 SCOPE OF WORK

The contractor shall perform the evaluations listed below, prepare a draft report of its results, discuss the draft with NRC staff, and prepare a final report. The contractor shall provide monthly interim reports of progress and results during the period the draft report is being

prepared. The final report shall include the evaluations, recommendations for rulemaking, and a listing of all sources used to prepare the report.

Task 1 Evaluate the Financial and Legal Risks That Funds Will Not Be Available When Needed for Decommissioning

Task 1 consists of 3 subtasks: (1) identification of the level of accumulation of radioactive waste or spread of contamination due to operational events that should trigger the licensee to perform an update of its decommissioning cost estimate; (2) assistance with cost-benefit analyses; and (3) assistance with proposed and final rulemaking actions -- and their associated statements of consideration -- in connection with financial assurance for decommissioning. For each of the subtasks, the contractor shall develop recommendations for rulemaking based on its evaluation.

Task 2 Develop the Technical Basis and Recommendations for Proposed Rulemaking and Statement of Considerations

Task 2 consists of four subtasks: (1) development of options for implementing the financial assurance rulemaking recommendations generated in Task 1, (2) development of options for implementing the recommendations for subsurface soil and groundwater monitoring, (3) development of the technical basis and recommendations for staff to proceed with proposed rulemaking, and (4) development of technical basis and recommendations for staff development of the statement of considerations for the notice of proposed rulemaking.

Task 2 Subtasks	Level of Effort (Hours)
1. Preparation of options for implementing the financial assurance rulemaking recommendations generated in Task 1, including the No Action option	38
2. Preparation of options for implementing the recommendations of the NRC staff for subsurface soil and groundwater monitoring, including the No Action option	30
3. Preparation of technical basis and recommendations for staff to proceed with proposed rulemaking	38
4. Preparation of technical basis and recommendations for staff development of Statement of Considerations for the proposed financial assurance and subsurface soil and groundwater monitoring rules	68
Total	174

Task 3 Draft Regulatory Guidance for Changes in the Financial Assurance Regulations

The contractor shall prepare draft regulatory guidance for changes in the financial assurance regulations based on the recommendations in Task 2, and/or in connection with Task 1. The document shall be prepared in accordance with NRC regulations and regulatory guidance.

Task 4 Summarize and Evaluate Comments on Draft Guidance and the Notice of Proposed Rulemaking, and Provide Technical Basis and Recommendations for Staff Development of the Final Rulemaking and its Statement of Considerations

The contractor shall review, organize (bin), and draft responses to public comments received on draft guidance and the proposed rule(s) in conformance with NRC regulations and regulatory guidance. The analysis of public comments shall be performed in accordance with the guidance in the most recent revision of NUREG/BR-0053, NRC Regulations Handbook. Each issue raised by commenters shall be analyzed for impact on the development of the regulation. The contractor shall provide technical basis and recommendations for staff development of the final rule and its statement of considerations in conformance with NRC regulations and regulatory guidance.

Task 4 consists of three subtasks: (1) summarize and evaluate the public comments received from the notice of proposed rulemaking, (2) develop technical basis and recommendations for staff development of rulemaking and (3) provide technical basis and recommendations for staff development of the statement of considerations for the final financial assurance and subsurface soil and groundwater monitoring rules.

Task 4 Subtasks	Level of Effort (Hours)
1. Summarize and evaluate comments received from the notice of proposed rulemaking	52
2. Develop the technical basis and recommendations for staff development of the final rule	14
3. Develop the technical basis and recommendations for staff development of the final Statement of Considerations for the final financial assurance and subsurface soil and groundwater monitoring rule	54
Total	120

Task 5 Final Regulatory Guidance for Changes in the Financial Assurance Regulations

The contractor shall prepare final regulatory guidance for changes in the financial assurance regulations. The document shall be prepared in accordance with NRC regulations and regulatory guidance.

WORK REQUIREMENTS, SCHEDULE AND DELIVERABLES

Tasks	Scheduled Completion	Deliverables
<p>1. <u>Task 1 - Evaluation of the Financial and Legal Risks That Funds Will Not Be Available When Needed for Decommissioning</u></p> <p>1.1. Contractor to assess, evaluate, and propose recommendations for the level of accumulation of radioactive waste or spread of contamination due to operational events that should trigger the licensee to perform an update of its Decommissioning Cost Estimate</p> <p>The list of events that can increase decommissioning costs includes:</p> <ol style="list-style-type: none"> 1) Spills 2) Groundwater and soil contamination 3) Increased waste inventory 4) Increased waste disposal costs 5) Facility modifications 6) Changes in authorized possession limits 7) Actual costs exceed estimated costs during progress of remediation 8) On-site disposal 9) Use of settling ponds <p>The contractor shall determine whether other operational events should be added to the list above. When the list is complete, the contractor shall evaluate each event to determine an objective measure that will trigger the licensee to perform an update of its decommissioning cost estimate due to the occurrence of the event.</p> <p>STANDARD: Expert utilization of NRC regulations, regulatory guidance, and public domain information on decommissioning, radiological contamination, and remediation, as required, for the deliverable written for college-level understanding.</p>	<p>Two months after Task assigned</p> <p>Subtask to be completed with Task 1</p>	<p>At the completion of Task 1, submit a Technical Evaluation Report (TER) that recommends an objective measure that should trigger an update of the Licensee's Decommissioning Cost Estimate (see Attachment 1 for the outline, format and content of the report): a description of the events analyzed, assumptions for the analysis, design, and references to consensus standards, trigger measures considered, and the basis for the recommendation.</p>

Tasks	Scheduled Completion	Deliverables
<p>1.2. Prepare cost-benefit analyses for proposed changes to regulatory guidance, existing regulations, or proposed rules in accordance with the most current version of NRC's regulatory analysis guidelines and NUREG/BR-0058. Make necessary changes based on draft final rules and public comments on proposed rule(s) and regulatory guidance.</p> <p>The contractor shall assist the staff in performing in-depth cost-benefit analyses related to proposed changes in regulatory guidance, proposed changes to existing regulations, or proposed rules. For instance, the contractor shall assist the staff in performing such analyses related to proposed changes to release criteria.</p> <p>STANDARD: Draft regulatory analyses that are reasonably equivalent to and developed from comparable NRC analyses based on above references, and in accordance with TM-provided guidance. The cost-benefit analyses encompass all impacts of the proposed regulatory changes covering individual as well as classes of licensees or other regulated activities.</p>	Subtask to be completed with Task 1	Draft final regulatory analysis (draft, staff comment resolution, and final report) for each assigned cost-benefit analysis.

Tasks	Scheduled Completion	Deliverables
<p>1.3. Assist in the development of NRC guidance, inspection procedures, and generic information associated with 10 CFR Part 26 to inform external stakeholders, improve licensee performance, and enhance NRC regulatory inspection and licensing activities as requested by FSME TM</p> <p>The scope of this subtask allows the agency to assign work items under subtask 1.3 whose general scope is financial assurance for decommissioning and subsurface soil and groundwater monitoring of NRC licensed facilities. For instance, a work item may be to prepare the technical basis and recommendation for responding to a Staff Requirement Memorandum (SRM), whose scope is financial assurance for decommissioning and subsurface soil and groundwater monitoring of NRC licensed facilities, the agency may solicit the contractor's support by issuing a new subtask of task 1. While there is no limit to the number of additional subtasks of task 1 that the agency may assign, the contractor is not expected to exceed the number of hours detailed above. The tasks discussed here do not preclude the agency from assigning additional tasks or subtasks, provided that the additional task(s) or subtask(s) are in the general scope of financial assurance for decommissioning and subsurface soil and groundwater monitoring of NRC licensed facilities.</p> <p>STANDARD: Expert utilization of NRC regulations, regulatory guidance, and public domain information on decommissioning, radiological contamination, remediation, and subsurface soil and groundwater monitoring, as required, for the deliverable written for college-level understanding.</p>	<p>Subtask to be completed with Task 1</p>	<p>To be determined</p>

Tasks	Scheduled Completion	Deliverables
<p>2. <u>Task 2 - Technical Basis and Recommendations for Proposed Rulemaking and Statement of Considerations</u></p> <p>2.1. Preparation of options for implementing the financial assurance rulemaking recommendations generated in Task 1, including the No Action option</p> <p>Prepare options for implementing the recommendations made for each subtask of Task 1 of this contract. The No Action option shall be considered for each recommendation. The pros and cons of each option shall be identified. Based on the pros and cons, the contractor shall recommend a preferred option. The options will be used by NRC staff to develop a SECY paper recommending rulemaking to the Commission.</p> <p>STANDARD: Expert utilization of NRC regulations, regulatory guidance, and public domain information on decommissioning, radiological contamination, remediation, and subsurface soil and groundwater monitoring, as required, for the deliverable written for college-level understanding. Recommendations are written in a clear and concise manner.</p>	<p>Five months after Task assigned</p> <p>Subtask to be completed with Task 2</p>	<p>At the completion of Task 2, submit a TER (see Attachment 1) that prepares and evaluates options for implementing the recommendations proposed under Task 1, including the No Action option. The report shall present the pros and cons of each option and recommend a preferred option including the bases for the recommendation.</p>

Tasks	Scheduled Completion	Deliverables
<p>2.2. Preparation of options for implementing the recommendations of the NRC staff for subsurface soil and groundwater monitoring, including the No Action option</p> <p>Prepare options for implementing the recommendations of the NRC staff for subsurface soil and groundwater monitoring. The No Action option shall be considered for each recommendation. The pros and cons of each option shall be identified. Based on the pros and cons, the contractor shall recommend a preferred option. The options will be used by NRC staff to develop a SECY paper recommending rulemaking to the Commission.</p> <p>STANDARD: Expert utilization of NRC regulations, regulatory guidance, and public domain information on decommissioning, radiological contamination, remediation, and subsurface soil and groundwater monitoring, as required, for the deliverable written for college-level understanding. Recommendations are written in a clear and concise manner.</p>	<p>Subtask to be completed with Task 2</p>	<p>Deliverable based on TM assignment to prepare options for implementing recommendations.</p>
<p>2.3. Preparation of technical basis and recommendations for proposed rulemaking</p> <p>The contractor shall prepare the technical basis and recommendations for staff development of proposed rulemaking in conformance with NRC regulations and regulatory guidance.</p> <p>STANDARD: Expert utilization of NRC regulations, regulatory guidance, and public domain information on decommissioning, radiological contamination, remediation, and subsurface soil and groundwater monitoring, as required, for the deliverable written for college-level understanding. Recommendations are written in a clear and concise manner.</p>	<p>Subtask to be completed with Task 2</p>	<p>Deliverable based on TM assignment to prepare and review directed documents.</p>

Tasks	Scheduled Completion	Deliverables
<p>2.4. Preparation of technical basis and recommendations for Statement of Considerations for the proposed financial assurance and subsurface soil and groundwater monitoring rules</p> <p>The contractor shall prepare the technical basis and recommendations for staff development of the Statement of Considerations in conformance with NRC regulations and regulatory guidance.</p> <p>STANDARD: Expert utilization of NRC regulations, regulatory guidance, and public domain information on decommissioning, radiological contamination, remediation, and subsurface soil and groundwater monitoring, as required, for the deliverable written for college-level understanding. Recommendations are written in a clear and concise manner.</p>	Subtask to be completed with Task 2	Deliverable based on TM assignment to prepare and review directed documents.
<p>3. <u>Task 3 - Draft Regulatory Guidance for Changes in the Financial Assurance Regulations</u></p> <p>The contractor shall prepare draft regulatory guidance for changes in the financial assurance regulations based on the recommendations in Task 2, and/or in connection with Task 1.</p> <p>STANDARD: The TER shall be prepared in accordance with NRC regulations and regulatory guidance and written for college-level understanding.</p>	Seven Months After Task Assigned	At the completion of Task 3 submit a TER that provides draft regulatory guidance for changes in the financial assurance regulations based on the recommendations in Task 2, and/or in connection with Task 1.

Tasks	Scheduled Completion	Deliverables
<p>4. <u>Task 4 - Summarize and Evaluate Comments on Draft Guidance, the Notice of Proposed Rulemaking, and Provide Technical Basis and Recommendations for Staff Development of Final Rulemaking and Statement of Considerations</u></p> <p>4.1. Review, organize (bin), and draft responses to public comments received on draft guidance and the proposed rule(s) in conformance with NRC regulations and regulatory guidance.</p> <p>STANDARD: Each comment is assigned a unique identifier number and all comments have been accounted for and properly addressed. All substantive comments (i.e., comments that resulted in changes to the rule requirements or its supporting statement of consideration) are identified and are specifically addressed. Similar comments are grouped with a common response. Comments are thoroughly analyzed and their resolutions clearly identified. Documents shall be delivered in the required format and quality guidelines within the schedule established and accepted by the TM and CO.</p>	<p>Nine Months After Task Assigned</p> <p>Subtask to be completed with Task 4</p>	<p>Results shall be documented in TERs and transmitted to the PO and TM on the schedule stated</p>
<p>4.2. Develop technical basis and recommendations for staff development of the final rulemaking.</p> <p>STANDARD: The technical basis and recommendations shall be prepared in accordance with NRC regulations and regulatory guidance and written for college-level understanding.</p>	<p>Subtask to be completed with Task 4</p>	<p>The technical basis and recommendations shall be documented in memoranda or TERs as specified by the TM.</p>
<p>4.3. Develop technical basis and recommendations for staff development of the final Statement of Considerations for the final financial assurance and subsurface soil and groundwater monitoring rule.</p> <p>STANDARD: The technical basis and recommendations shall be prepared in accordance with NRC regulations and regulatory guidance and written for college-level understanding.</p>	<p>Subtask to be completed with Task 4</p>	<p>The technical basis and recommendations shall be documented in memoranda or TERs as specified by the TM.</p>

Tasks	Scheduled Completion	Deliverables
<p>5. Task 5 - <u>Final Regulatory Guidance for Changes in the Financial Assurance Regulations</u></p> <p>The contractor shall prepare final regulatory guidance for changes in the financial assurance regulations. The document shall be prepared in accordance with NRC regulations and regulatory guidance.</p> <p>STANDARD: The regulatory guidance shall be prepared in accordance with NRC regulations and regulatory guidance and written for college-level understanding.</p>	<p>Eleven Months After Task Assigned</p>	<p>The regulatory guidance shall be documented in a TER in accordance with office-level and TM-provided guidance.</p>

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

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 A.18 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 Section 3.2 of 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. Expertise is required in the following areas:

- NRC decommissioning financial assurance regulations and regulatory guidance,
- NRC decommissioning regulations and regulatory guidance,
- corporate organization,
- accounting,
- investment fund management,
- bankruptcy law,
- insurance,
- finance,
- environmental science,
- hydrology,
- geochemistry,
- health physics,
- engineering,
- decommissioning technology, and
- cost estimation.

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

Monthly Letter Status Report

The contractor shall provide a monthly letter status report 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 electronically (by e-mail) to the NRC Task Order TM, NRC Contract TM, Project Officer (PO) and CO by the 20th of the month following the period reported.

Please refer to Attachment 8, Section 6.1 of the basic contract award document for contract reporting requirements.

Technical Report 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. More than one round of drafts may be needed if the contractor does not successfully incorporate the TM's comments on the previous draft.

The contractor shall provide the following deliverables in both hard copy and electronic formats. The electronic format shall be provided using a Microsoft-based product (e.g., Outlook, Word, Excel, PowerPoint) unless specifically approved by the TM. All deliverables should be in the format of draft version, revision version with redline/strikeout with a change-control appendix, and a final version. Contractor shall maintain appropriate revision control in an electronic format. For each deliverable (preliminary, draft, and final), the contractor shall provide one hard copy and electronic copy to both the PM and the TM with notification of delivery to the PO. The schedule for deliverables shall be contained in the approved project plan for the task order effort.

Contractor shall develop (as necessary), maintain, and control data, files, information, and deliverables pursuant to this contract consistent with federal law, instructions, and guidelines to protect and prevent unauthorized release of privacy, medical, security-related information, and

other sensitive information. Contractor data, files, information, instructions, IT script and code, and deliverables conducted or subject to this task order shall be maintained in such a format to facilitate contract close out, delivery to NRC, and execution/implementation by the NRC.

Databases, both numerical and written, files, information, and deliverables shall be backed up periodically to an alternate and independent storage location to preserve integrity and ensure retrievability.

Contractor shall not conduct third party communications or release any information pursuant to this task order to persons other than the NRC staff unless specifically approved/directed by the TM.

In all correspondence, include identifying information:

JCN No.: F1159;
Task Order No.: 2
Task/Standard No.: These are the paragraph numbers in Section 3.0
Task Description: Provide the task title.

6.0 MEETINGS AND TRAVEL

Travel for this review may include up to 6 trips per year from the contractor's offices to NRC Headquarters.

Travel may also include up to 2 trips per year to NRC Headquarters for contractor staff located outside the Washington DC area.

Several meetings will be required with NRC technical staff during the period the report is prepared: a kick-off meeting, interim meetings to discuss the contractor's draft results of each Task*, and a meeting transmitting the final result of each Task.

Any other travel shall be negotiated through a modification to the task order.

*At the discretion of the NRC TM, meetings 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 the SOW:

- Public comments received in response to the notice of proposed rulemaking to the contractor.
- Staff's recommendations on implementing subsurface soil and groundwater monitoring inspection and implementation to the contractor.

8.0 CONTRACTOR SUPPLIED MATERIALS

Where necessary, in the contractor's judgment, the contractor may obtain relevant information from public or private sources. Fees shall be paid by the contractor.

9.0 LEVEL OF EFFORT

A summary of the level of effort for each of the tasks is tabulated below. The level of effort shown for the tasks is illustrative only, and does not establish a minimum or maximum requirement for any task. The contractor shall be expected to complete the work within the total hours (504), but may transfer hours between tasks as necessary. Deliverable due dates are set forth in Section 3.0, Scope of Work.

Task(s)	Level of Effort FY-12 (hours) 07/01/12 – 10/31/12	Level of Effort FY-13 (hours) 11/01/12-1 0/31/13	Level of Effort FY-14 (hours) 11/01/13-1 0/31/14	Level of Effort FY-15 (hours) 11/01/14-1 0/31/15	Level of Effort FY-16 (hours) 11/01/15-1 0/31/16
1. Financial and legal risk evaluation	17	66	66	66	66
2. Technical Basis and recommendations for Proposed Rulemaking and Statement of Considerations	44	174	174	174	174
3. Draft guidance	18	72	72	72	72
4. Basis and recommendations for final rulemaking	5	120	120	120	120
5. Final guidance	14	72	72	72	72
Total	98	504	504	504	504

10.0 PERIOD OF PERFORMANCE

The projected period of performance is from date of task order award through 31 October 2012 with four option years.

11.0. OTHER APPLICABLE INFORMATION

a. License Fee Recovery

All work under this task order is not fee recoverable.

b. Assumptions and Understandings:

The level of effort is based on the assumption that the contractor maintains persons assigned to these tasks with:

- ability to communicate effectively at a college level;
- technical expertise with the statement of work requirements;
- familiar with performing technical, financial, and legal analyses for amending NRC's regulations in the areas of subsurface and soil contamination and decommissioning;
- familiar with the Administrative Procedures Act; and,

- familiar with NRC procedures and guidance on the conduct of rulemaking.

The level of effort for Task 1 is based on the assumption that the contractor will identify ____ operational events that could trigger the need to perform an update of the decommissioning cost estimate and it will take, on the average, ____ hours to assess each operational event

The level of effort for Task 2 is based on the assumption that

The level of effort for Task 3 is based on the assumption that

The level of effort for Task 4 is based on the assumption that ...

The level of effort for Task 5 is based on the assumption that ...

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

The primary deliverable, or output of this task order, shall be Technical Evaluation Reports (TERs). The TERs will serve as input to the support for the rulemaking process to amend its regulations and guidance to achieve earlier recognition of and preparation for remediation of subsurface soil contamination and provide FSME with technical, financial, and legal information relevant to amending its financial assurance regulations in 10 CFR Parts 30, 40, 50, 70, 72, and 76 including financial assurance for reactors licensed under 10 CFR Part 50. The TER must provide sufficient information to explain the NRC staff's rationale for why there is reasonable assurance that public health and safety is protected. The TER, and ultimately the rulemaking documents, 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 TER format is described in Attachment 1 to this Task Order Statement of Work.

Attachments:

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

Outline, Format, and Sample for the TER

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