

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

BPA NO.

1. CONTRACT ID CODE

PAGE 1

1

2 AMENDMENT/MODIFICATION NO.
M006

3 EFFECTIVE DATE
See block 16C

4 REQUISITION/PURCHASE REQ NO
NRC-42-07-482
dated: 9/1/2010 & 8/27/2020

5 PROJECT NO (if applicable)

6 ISSUED BY
CODE 3100
U.S. Nuclear Regulatory Commission
Div. of Contracts
Attn: Morie Gunter-Henders, 301-492-3646
Mail Stop: TWB-01-B10M
Washington, DC 20555

7 ADMINISTERED BY (if other than item 6)
CODE 3100
U.S. Nuclear Regulatory Commission
Div. of Contracts
Mail Stop: TWB-01-B10M
Washington, DC 20555

8 NAME AND ADDRESS OF CONTRACTOR (No. street, county, State and ZIP Code)

ENERGY RESEARCH INC

6167 EXECUTIVE BLVD

ROCKVILLE MD 208523901

(X) 9A. AMENDMENT OF SOLICITATION NO.

9B DATED (SEE ITEM 11)

10A. MODIFICATION OF CONTRACT/ORDER NO
NRC-42-07-482 0035
Modification No. 06

10B DATED (SEE ITEM 13)
09-11-2009

CODE 621211259

FACILITY CODE

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12 ACCOUNTING AND APPROPRIATION DATA (if required) B&R:025-15-171-111 JC:Q4013 BOC:252A APPN:31X0200
FFS:0748235013 0907G & 0748235013-08315 NAICS Code: 541990
Obligate: \$30,000.00

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(X) A. THIS CHANGE ORDER IS ISSUED PURSUANT TO (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.

B THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc) SET FORTH IN ITEM 14. PURSUANT TO THE AUTHORITY OF FAR 43.103(b)

C THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF

D OTHER (Specify type of modification and authority) Incremental Funding & Mutual agreement between the parties

X

E. IMPORTANT: Contractor is not, is required to sign this document and return 1 copies to the issuing office.

14 DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible)
The purpose of this modification is to (1) add additional hours as seen in the attached revised statement of work, (2) increase the ceiling for additional work by \$502,759.44, (3) provide incremental funding to this task order in the amount of \$30,000.00 and (4) extend the Period of Performance to 12/31/2012.

Task Order Ceiling: \$878,916.78 (changed)
Total Obligated Amount: \$406,157.34 (Changed)
Period of Performance: 09/11/2008 - 12/31/2012 (changed)

See page two for details.

Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect

15A NAME AND TITLE OF SIGNER (Type or print) *President*
MOHSEN KHATIB-RAHBAR,

15B CONTRACTOR OFFICER
Michael...
(Signature of person authorized to sign)

15C DATE SIGNED
11/18/10

15A NAME AND TITLE OF CONTRACTING OFFICER (Type or print)
Morie Gunter-Henderson
Contracting Officer

15B UNITED STATES OF AMERICA
BY *Morie Gunter-Henderson*
(Signature of Contracting Officer)

15C DATE SIGNED
12/14/2010

NSN 7540-01-152-8070
PREVIOUS EDITION NOT USABLE

STANDARD FORM 30 (REV. 10-83)
Prescribed by GSA - FAR (48 CFR) 53.243

TEMPLATE - ADMIN

SUNST REVIEW COMPLETE

M006

MAR 14 2011 E

The purpose of this modification is to (1) add additional hours as seen in the attached revised statement of work, (2) increase the ceiling for additional work by \$502,759.44, (3) provide incremental funding to this task order in the amount of \$30,000.00 and (4) extend the Period of Performance to 12/31/2012. Accordingly this task order is hereby modified as follows:

Page 2, paragraph 2 of the base Task Order 35 is hereby deleted in its entirety and is replaced with the following:

"Task Order No. 35 shall be in effect from September 11, 2008 through December 31, 2012, with a cost ceiling of \$878,916.78. The amount of \$837,063.60 represents the estimated reimbursable costs, and the amount of \$41,853.18 represents the fixed fee."

Page 2, paragraph 3 of the base Task Order 35 is hereby deleted in its entirety and is replaced with the following:

"The amount obligated by the Government with respect to this task order is \$406,157.00 of which \$386,816.90 represents the estimated reimbursable costs, and the amount \$19,340.81 represents the fixed fee."

A summary of the obligations for this contract is as follows:

Total FY08 Amount Obligated:	\$150,000.00
Total FY09 Amount Obligated:	\$100,000.00
Total FY10 Amount Obligated:	<u>\$156,157.00</u>
Total Amount Obligated:	\$406,157.00

ALL OTHER TERMS AND CONDITIONS OF THIS TASK ORDER SHALL REMAIN IN FULL FORCE AND EFFECT.

MODIFICATION
TASK ORDER STATEMENT OF WORK

JCN Q-4013	Contractor ERI	Task Order No. NRC-42-07-482 35 Mod 6
Applicant Detroit Edison Energy	Design/Site ESBWR/Fermi	Docket No. 5200033
Title/Description Technical Support for the Detroit Edison Energy/Fermi COL Environmental Review		
TAC No. RX0420	B&R Number 125-15-171-111	SRP or ESRP Section(s) Socioeconomics and Environmental Justice/Fuel Cycle/Accident Analysis/Terrestrial Ecology/Cultural Resources
NRC Technical Assistant Project Manager (TAPM)/Project Officer (PO) T. Clark (301) 415-1474 Tracy.Clark@nrc.gov		
NRC Technical Monitor (TM)/Environmental Project Manager (EPM) B. Olson (301) 415-3731 Bruce.Olson@nrc.gov		

1.0 BACKGROUND

Combined Operating License (COL) Applications are submitted pursuant to Part 52 of Title 10 of the *Code of Federal Regulations* (10 CFR Part 52), "Early Site Permits; Standard Design Certifications; and Combined Licenses for Nuclear Power Plants." The U.S. Nuclear Regulatory Commission (NRC) reviews COL Applications based on information furnished by electric utility companies pursuant to 10 CFR 52.79, "Contents of Applications Technical Information."

A Standard Review Plan (NUREG-0800/SRP) is prepared for the guidance of staff reviewers in the Office of New Reactors in performing safety reviews of applications to construct or operate nuclear power plants and the review of applications to approve standard designs and sites for nuclear power plants. The principal purpose of the SRP is to assure the quality and uniformity of staff safety reviews.

An Environmental Safety Review Plan (NUREG-1555/ESRP) is prepared for the guidance of staff reviewers in performing environmental reviews of applications related to nuclear power plants. The ESRPs are companions to regulatory guides that address siting and environmental issues. As with NUREG-0800 the purpose of the ESRP is to assure the quality and uniformity of environmental reviews.

The staff publishes the results of the environmental reviews in an Environmental Impact Statement (EIS).

2.0 OBJECTIVE

The general objective of this task order is to obtain technical expertise from the contractor to assist the NRC staff in review, evaluation, and use of the subject COL application information to

meet appropriate regulatory requirements for the NRC's environmental review. The specific objective is to assist NRC in developing environmental regulatory documents and to support the adjudicatory hearing which are essential parts of the NRC licensing decision.

The contractor's technical subject matter experts (SMEs) will participate on a multidisciplinary team coordinated and managed by another NRC contractor. The contractor with lead responsibility has the administrative and managerial role for document development and record controls; the lead contractor fills the position of Project Team Leader (PTL). The contractor's team members' assignments will begin upon authorization to coordinate key milestone activities, including team meetings, public meetings (if attendance is appropriate), and document preparation meetings (if attendance is necessary), as well as submittal of technical evaluation report (TER) deliverables at different stages of completion.

The effort initially represented a baseline case (i.e., standard project timeline and resource loading); however, there are "fact of life" circumstances that have required resetting the baseline case to one that reflects the expected project performance in terms of level of effort and schedule. These circumstances became evident at several stages subsequent to the initial phase of the project, i.e., the acceptance review, the environmental audit, as well as after the public took the opportunity to petition the Commission for leave to intervene on the project. Technical uncertainties related to the plant design, the layout, and assembly of all the necessary information for the EIS led to extension of the schedule. The unique setting and historical relationship of the site area to the Fermi 1 decommissioning action before the NRC and with an adjacent operating nuclear power plant (Fermi 2) may necessitate in the use of other information and additional NRC analyses. Other Federal, state, and local agency organizations and environmental impact statements may have to be addressed in the analysis. Finally, since the duration of this project will require funding over several fiscal years and technical progress has been affected by stakeholders outside of the control of the NRC (e.g., the responsiveness of the applicant or the justifiable need for additional analysis or consultation because of the complexity of several issues), unanticipated schedule modifications have become necessary.

Over the course of the Fermi 3 environmental review, there have been several tasks performed by ERI, and several that have yet to be performed, which—though still covered by their general scope of work are items that are above and beyond what was originally intended and, therefore, that warrant additional funding for ERI to complete the work.

Causes for the need for additional funding, scope, and schedule that were not anticipated in the original Task Order Statement of Work can be broken into several categories:

- 1) Additional work that has been required to meet project goals because of technical difficulties related to the ESBWR Design;
- 2) Additional work that has been required because of planned schedule extension and subsequent delays in obtaining necessary information from the applicant;
- 3) Additional work that has been done to meet regulatory requirements of organizations other than the NRC (e.g., the USACE, the MI SHPO, and MI DNRE);
- 4) Additional work that has been done to respond to contentions from the public; and
- 5) Additional work that will have to be done in the future to complete the EIS process (including possible coordination with Canadian organization and government agencies).

In addition to the NRC Technical Assistance Project Manager (TAPM) or Project Officer (PO), the NRC has designated an Environmental Project Manager (EPM), Mr. Bruce Olson. The EPM

for this activity is also the NRC Technical Monitor (TM) and these terms may be used interchangeably.

3.0 WORK REQUIREMENTS, SCHEDULE AND DELIVERABLES

Upon the acceptance of this agreement, the contractor will propose and designate the contract Project Manager (PM) who will direct the principal investigators' subject matter experts (SMEs) efforts for delivering consistent, high-quality products and services that satisfy client requirements meeting schedules and budget commitments. An Environmental Project Plan (EPP) prepared by the lead contractor has been adopted to integrate management, oversight, commitment tracking, quality and records control, schedule control, identification of technical and support staff, project meetings, contractor staff orientation, interactions with other NRC contractors involved in guidance development activities under other agreements, and travel. If and when the EPP is updated, adherence to the revised plan will be continued.

Contractor personnel participating in the review of certain technical areas should participate in one or more team meetings to discuss the interdisciplinary issues while preparing the draft and final integrated environmental review document. If the contractor participates in the review of certain technical areas, then they should be available to assist the staff in presenting preliminary conclusions at a public meeting on the draft EIS. Whereas the NRC EPM and the PTL will participate in meetings to clarify technical issues, such activities may involve only limited participation by contractor staff as directed by the NRC EPM. Estimates of travel reflect the level of participation anticipated for such technical areas.

The contractor will assess the need for any necessary hardware and software to meet the technical requirements of this project consistent with NRC and Federal acquisition regulations. Any acquisition will follow the process outlined in the project scope of work.

The contractor PM will document deliverables with milestones and schedules in the project monthly letter status reports (MLS) and the commitment tracking logs. All work will be documented on the indicated forms referenced in the Project Plan. Unless otherwise specified by the NRC EPM/TM, all deliverables (draft and final) will be produced in both electronic and hard copy version; the contractor will deliver one hard copy of all deliverables (draft and final) to the NRC TAPM and one copy to the NRC EPM/TM. The electronic (Microsoft® Word or other agreed upon software) versions of the deliverables will be delivered to the NRC EPM with notification of the delivery to the NRC TAPM. The contractor will identify the Job Control Number (JCN Q-4013) and the Technical Assignment Control (TAC) Number(s) on all correspondence related to this agreement. The TAC Numbers that were provided shortly after receipt of the application covered the 5 (five) phases of the review. The subtasks are aligned by phases because some activities are conducted in parallel. The phases are: (1) the acceptance review (RE8248), (2) the scoping process (RE9853), (3) the preparation of the TER and comment resolution for the Draft EIS (RE9872), (4) the preparation of the TER for the Final EIS (RE9893), and (5) hearing support from the pre-hearing activities, hearing file review, post-EIS hearing preparation and expert testimony (RE9904).

Environmental working meetings should be anticipated to be held at the lead contractor's location in advance of preparing environmental deliverables, which will serve as input to NRC documents that will be released into the public domain. At a minimum, the NRC EPM/TM will

participate in each of these meetings and the NRC legal staff, NRC technical team members, NRC management, and the NRC TAPM will participate on a less frequent basis. Work plans should accommodate the following subtasks and schedule (including expected deliverables as technical evaluation reports (TERs)) for the appropriate phase in the project. Project phase numbers are given in parenthesis:

Task	Status	Deliverables
<p>1. REQUIREMENT: Adopt Environmental Project Plan, become familiar with applicant's ER, and become familiar with basis for NRC's acceptance review conclusion and information needs. (1)</p> <p>STANDARD: Written confirmation that familiarization is complete.</p>	<p>COMPLETED</p>	<p>Documentation that assigned personnel has reviewed appropriate correspondence.</p>
<p>2. REQUIREMENT: Participate in discussions regarding the environmental scoping process comments for the project and anticipated technical issues in contractor assigned technical areas. (2)</p> <p>STANDARD: Participation of individuals designated by NRC EPM.</p>	<p>COMPLETED</p>	<p>N/A</p>
<p>3. REQUIREMENT: Participate in team visit to (a) the proposed site, (b) alternative sites (for appropriate technical areas), and (c) provide TER input to lead contractor for audit report (as input to NRC Trip report) to summarize the information reviewed, results of the audit, and meeting discussions. (3)</p> <p>STANDARD: Participation of individuals designated by NRC EPM and written confirmation.</p>	<p>COMPLETED</p>	<p>Documentation for reports to be provided within 30 days to EPM and lead contractor after completion of audit (site and, if appropriate, alternative sites).</p>

<p>4. REQUIREMENT: Complete initial review of ER and provide TER input to lead contractor that identifies issues and areas that should be clarified; the inputs should be organized following the structure of the applicant's ER and should be phrased in question format (requests for additional information, RAIs). Identify those aspects of the application that need additional or clarifying information (RAIs). (3)</p> <p>STANDARD: Participation of individuals designated by NRC EPM and written confirmation.</p>	<p>COMPLETED</p>	<p>Documentation for reports should be based on activities prepared for audit(s) and provided within 15 days to EPM and lead contractor after completion of audit (site and, if appropriate, alternative sites).</p>
<p>5. REQUIREMENT: If scoping comments are relevant to contractor assigned technical areas, then participate in team discussions and plans for dispositioning comments. (2)</p> <p>STANDARD: Participation of individuals designated by NRC EPM and acknowledgment that comments will be addressed, if relevant technical areas apply.</p>	<p>COMPLETED</p>	<p>E-mail confirmation that assigned personnel have reviewed comments and understand disposition plan.</p>
<p>6. REQUIREMENT: Subsequent to NRC issuance of RAIs and receipt of RAI responses, support NRC at conferences and public meetings to resolve RAIs with the applicant. (3)</p> <p>STANDARD: Participation of individuals designated by NRC EPM; provide acknowledgment that participation is necessary, if relevant technical areas apply.</p>	<p>33 DAT award (November 12, 2010)</p>	<p>E-mail confirmation that assigned personnel, if needed, can participate in public meetings.</p>

Requirement	Date	Description
<p>7. REQUIREMENT: (a) Complete detailed technical review of ER, (b) provide responses to RAIs, (c) provide working draft of environmental analysis in EIS format consistent with the ESRP to the lead contractor, (d) if appropriate for contractor assigned technical area, participate in team discussions (at the location of the lead contractor) or, if appropriate for contractor assigned technical area, participate by alternate means (audio or video conferencing), on multidisciplinary technical consistency and conformance with regulatory guidance, and (e) incorporate NRC-agreed upon technical resolutions. (3)</p> <p>STANDARD: Participation of individuals (and means for participation) designated by NRC EPM and TER inputs provided in a timely manner to support preparation of working draft in advance of technical discussions. Participate in successful completion of the camera-ready draft EIS in preparation for publication.</p>	<p>165 DAT (March 14, 2011)</p>	<p>Documentation for inputs to be consistent with NRC-provided guidance and, where appropriate, templates; independent technical evaluations are expected to document rationale for reliance on applicant and alternate sources. Team meeting nominally scheduled within 100 days of receipt of inputs.</p>
<p>8. REQUIREMENT: Subsequent to NRC issuance of draft EIS, if appropriate, support NRC at a public meeting to present the team findings and respond to questions during the presentation. (4)</p> <p>STANDARD: Participation of individuals designated by NRC EPM and acknowledgment that participation is necessary, if relevant technical areas apply. Provide meeting summary input.</p>	<p>323 DAT (August 19, 2010)</p>	<p>E-mail confirmation that assigned personnel, if needed, can participate in public meeting.</p>

<p>9. REQUIREMENT: (a) Participate in discussions regarding the disposition of comments received at the public meeting and during the public comment period, (b) complete technical review of the changes resulting from public and stakeholder comments, (c) provide working draft of environmental analysis in EIS format consistent with the ESRP to the lead contractor, and (d) if necessary, participate in team discussions (either at the lead contractor's location or by other means) on technical consistency and conformance with regulatory guidance, and (e) incorporate NRC-agreed upon resolutions. (4)</p> <p>STANDARD: Participation of individuals (and means for participation) designated by NRC EPM and TER inputs provided in a timely manner to support preparation of working draft in advance of technical discussions. Provide NRC EPM and acknowledgment that participation is necessary, if relevant technical areas apply. Participate in successful completion of the camera-ready final EIS in preparation for publication.</p>	<p>568 DAT (April 20, 2012)</p>	<p>Documentation for inputs to be consistent with NRC-provided guidance; any supplemental evaluations are expected to document rationale for reliance on applicant and alternate sources. Team meeting nominally scheduled within 100 days of receipt of inputs.</p>
<p>10. REQUIREMENT: Support EPM and Safety PM in preparing for and participating in (mandatory and, if applicable, contentious) hearing (including pre-hearing conferences, preparing testimony, attendance as witness, and contributing to the hearing files). (5)</p> <p>STANDARD: Participation of individuals (and means for participation) designated by NRC EPM and inputs provided in a timely manner to support hearing activities in advance of legal discussions. Provide NRC EPM acknowledgment that participation is necessary, if relevant technical areas apply.</p>	<p>Throughout Project – Hearing schedule not determined Assume July 2012-December 2012</p>	<p>Documentation for inputs (e.g., testimony) to be closely coordinated with legal staff consistent with EIS information and filings in response to contentions. Hearing file records provided on a continuing basis throughout the review.</p>

* These Work Schedules are subject to change by the NRC Contracting Officer (CO) to support the needs of the NRC Licensing Program Plan. It is intended that this task be awarded on October 1, 2010. Draft schedule is attached.

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. Travel within the number of person-trips and person-days authorized under this work scope can be directed by the EPM. The contractor shall refer to Section G.1 of the base contract for further information and guidance on any technical directions issued under this task order.

Any modifications to the scope of work, cost, travel or period of performance of this task order must be issued by the TAPM/Project Officer.

4.0 TECHNICAL AND OTHER SPECIAL QUALIFICATIONS REQUIRED

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

- One (1) Subject Matter Expert in the area of Socioeconomics and Environmental Justice;
- One (1) Subject Matter Expert in the area of the Fuel Cycle;
- One (1) Subject Matter Expert in the area of Accident Analysis;
- One (1) Subject matter Expert in the area of Terrestrial Ecology; and,
- One (1) Subject matter Expert in the area of Cultural Resources.

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

The NRC will rely on representations made by the contractor concerning the qualifications of the personnel assigned to this task order, including assurance that all information contained in the technical and cost proposals, including resumes, is accurate and truthful. The resume for each professional proposed to work under this task order (contractor, subcontractor, or consultant) shall describe the individual's experience in applying his or her area of engineering specialization to work in the proposed area. The use of particular personnel on this contract is subject to the NRC technical monitor's (TM's) approval. This includes any proposed changes to key personnel during the life of the task order.

5.0 REPORTING REQUIREMENTS

Task Order Progress Report

The contractor shall provide a bi-weekly progress 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 via e-mail to the NRC EPM and the TAPM.

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

Technical Reporting Requirements

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

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

In all correspondence, include identifying information (i.e., JCN No.: Q-4013), the Technical Assignment Control No. (TAC), RX0420; the Task Order No., 35; the applicant's name; Detroit Edison and, the site name; Fermi 3.

At the completion of Subtasks 6, 7, 8, 9, & 10 provide technical inputs to the lead contractor, with copies to the NRC, that will be consolidated as a Technical Evaluation Report (TER) in the form and content of a product that can be used by the NRC as working drafts of an EIS; in the form and content of Requests for Additional Information (RAIs); or in the form and content of trip reports. (See **Attachment 1** in the base contract SOW for the guidelines for developing RAIs).

6.0 MEETINGS AND TRAVEL*

The following travel assumptions should be considered in planning the work effort. Each technical area has its own set of assumptions based on the complexity of the issue in general and the unique circumstances at the proposed location of the project. Some activities do not require visits to the site area, some do not require participation in team discussions, some do not require technical support for the NRC at public meetings, and some will not be the subject of a hearing. The actual travel contingent will be determined by the NRC TM after discussion with the contractor PM and the PTL. Travel in excess of the total number of person-trips and person-days are not authorized without the involvement of the Contracting Officer. Travel within the work scope limits will be approved by the NRC TM.

Two, 3-day trips should be planned for key contractor environmental personnel involved in socioeconomics/environmental justice, fuel cycle, accident analysis, terrestrial ecology, and cultural resources for public meetings near the site to provide insight to members of the public to assist them in providing comments on the draft EIS.

Two, 5-day trips should be planned for key contractor environmental personnel involved in socioeconomics/environmental justice, fuel cycle, accident analysis, terrestrial ecology, and cultural resources for multidisciplinary technical discussions in developing the TER that will provide the basis for the NRC's draft EIS and the final EIS.

Up to ten, 3-day trips to NRC headquarters, the site or nearby areas, or to the lead contractor's location to selectively participate in discussions with the applicant on RAIs, with external stakeholders on, for example, intergovernmental technical issues, in preparation with legal staff as part of pre-hearing conferences or as part of the hearing should be considered as part of the work activities.

Working meetings at the lead contractor's location involving the key environmental personnel should be planned during the four week period prior to the completion of the draft and final EIS (camera-ready Environmental TERs).

Periodically, over the course of this contract, the contractor will interact (e.g., via e-mail or telephone) with the NRC EPM to discuss (a) project progress, (b) questions, (c) NRC comments, and (d) the conduct and content of subtasks associated with this contract.

For planning purposes, it is assumed that progress meetings will be quarterly during any active phase of this project, at the discretion of NRC. Each of these meetings between the contractor PM and the NRC TM is expected to last 1 to 2 days. The contractor should plan to make available key personnel assigned to the project during the course of these meetings. Most meetings will generally occur at the contractor's location and will be scheduled between the NRC TM and the contractor PM. Periodically, a program review meeting, which involves NRC and contractor management, will be held at the contractor's location to review overall program objectives and project performance; program reviews among NRC, applicant, and contractor are also held periodically.

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

7.0 NRC FURNISHED MATERIAL

The NRC TM will provide those NRC documents related to the applicable portions of the application (for example, the Environmental Report) that are readily available. The NRC TM will provide access to the applicant's safety analysis report, pertinent sections of the COL, DC, or other NRC safety or environmental documents and docketed correspondence on related issues.

The contractor staff will identify any additional NRC documentation that is needed and the TM will determine whether it will be provided by the NRC or obtained directly by the contractor from NUDOCS, ADAMS, NRC public document room or the NRC website at www.nrc.gov. The TM will provide access to the NRC SharePoint site, EARRTH, Environmental Assessment Reactor Review Team Home that will be used during the conduct of the review.

8.0 LEVEL OF EFFORT

Level of effort estimates in professional staff labor category hours have been apportioned among the 5 (five) project phases [i.e., (1) the acceptance review, (2) the scoping process, (3) the preparation of the TER and Comment resolution for the Draft EIS, (4) the preparation of the TER for the Final EIS, and (5) hearing support from the Pre-hearing activities (e.g.,

conferences) through the review (e.g., hearing files) to the post-EIS hearing (e.g., expert testimony)].

Phase	Category	FY11	FY12	FY13	FY14	FY15	FY16
1	SMEs	50	0	0	0	0	0
2	SMEs	0	50	0	0	0	0
3-DEIS	SMEs	0	1150	100	0+1840	0	0
4-FEIS	SMEs	0	0	250	0+200	+400	0
5-Hearing	SMEs	0	0	0	150+120	+160	+160
	Project Manager	15	100	60	20+100	+100	+25
	Admin Support	15	100	60	20+100	+100	+25
Total		80	1400	430	190+2360	+760	210

Additional SME hours are summarized as follows:

- Additional Phase 3 (All FY11): 300 (accident analysis) + 400 (cultural resources) + 450 (socioeconomic/environmental justice) + 240 (terrestrial ecology) + 50 (alternative analysis/demographics) + 100 (DEIS' edit to camera ready) = 1840 hours
- Additional Phase 4: 200 (FY11) + 400 (FY12) for all technical areas = 600 hours
- Additional Phase 5 hours: 120 (FY11) + 160 (FY12) + 160 (FY13) = 440 hours

9.0 PERIOD OF PERFORMANCE

The projected period of performance continues through December 31, 2012.

10.0 OTHER APPLICABLE INFORMATION

a. License Fee Recovery

All work under this task order is fee recoverable under 10 CFR Part 170 and must be charged to the appropriate TAC number(s).

b. Assumptions and Understandings:

The level of effort assumes that the subject matter experts have been qualified through the orientation activity taskings.

The level of effort assumes that the applicant will work cooperatively with the NRC team during the environmental audit and that the number of RAIs resulting thereafter is of the order of 10 per technical area.

The level of effort assumes that the total number of comments on the draft EIS across all technical areas will be of the order of 2000 comments and that about 10 percent will require a refinement of earlier analyses.

The level of effort assumes that the contractor will operate collegially with the lead contractor and any other contractors assigned to the project; notably, those contractors other than the lead contractor are expected to meet timeliness and quality input objectives so that the lead contractor can compile all inputs to meet NRC expectations.

Unless specifically requested by the contractor, it is assumed that it has access to NRC furnished material on the Internet and at the NRC SharePoint site EARRTH.

It is understood that the scope of the review consists of NRC team activities led by another contractor with oversight provided by NRC technical staff and monitored/directed by the NRC TM/EPM.

The key deliverables, or outputs of this regulatory review, shall be the inputs to Technical Evaluation Reports (TER) that will provide the technical information and data for the NRC draft and final EISs. The EIS will document the NRC's technical, environmental, and legal basis for approving the COL application. The TER inputs must provide sufficient information to adequately explain the NRC staff's rationale for its assessment of the reasonably foreseeable impacts on the human environment of constructing, operating, and decommissioning the proposed project and its consideration of certain alternatives. The TER, and ultimately the EIS, should be written in plain language whereby an interested person without a technical background can understand the staff's assessment and rationale for its conclusions and recommendations.

PRELIMINARY SCHEDULE –REVISED AUGUST 13, 2010

New WBS tasks -- Fermi 3 EIS Preparation Schedule--Proposed

	Start	Finish	Work Days	Calendar Day Count
Phase 3 - Draft EIS (DEIS)	2/17/2009 (Tu)	6/22/2011 (W)		
Request for Additional Information (RAIs)	2/17/2009 (Tu)	9/10/2010 (F)		
Develop RAIs	2/17/2009	11/6/2009		
Contractor Submits RAIs	4/2/2009	11/6/2009		
Issue RAIs to Applicant	5/13/2009	11/6/2009		
Conduct Clarification of RAIs with Applicant	5/13/2009	8/20/2010 (F)		
Receive RAI Responses from Applicant	5/13/2009	8/31/2010 (Tu)		
Assess Applicant RAI Responses	9/1/2010 (W)	9/10/2010 (F)		
Develop DEIS	2/17/2009 (Tu)	4/1/2011 (F)		
EPM Reviews Preliminary Draft Technical Evaluation Report-EIS	9/13/2010 (M)	9/17/2010 (F)	5	4
Contractor Prepares Preliminary DEIS	9/20/2010 (M)	11/12/2010 (F)	38	53
Contractor Submits Preliminary DEIS	11/12/2010 (F)	11/12/2010 (F)	0	0
NRC Reviews Preliminary DEIS	11/15/2010 (M)	1/14/2011 (F)	41	61
NRC/Contractor Review Session - Edit Prelim DEIS	1/18/2011 (Tu)	2/11/2011 (F)	19	24
Writing Session - Final DEIS Edit	2/14/2011 (M)	2/18/2011 (F)	5	4
Contractor Submits Camera Ready Version of DEIS	2/22/2011 (Tu)	3/14/2011 (M)	15	21
Revise Camera Ready Version of DEIS	3/14/2011 (M)	4/1/2011 (F)	15	18
Publish DEIS	4/4/2011 (M)	6/22/2011 (W)	58	79
DEIS Concurrence Package	4/4/2011 (M)	4/29/2011 (F)	20	25
DEIS Publication Review	5/2/2011 (M)	6/3/2011 (F)	25	32
NRC Issues DEIS, Delivers to EPA, and FRN to RDEB	6/6/2011 (M)	6/10/2011 (F)	5	4
NRC FR Notice of DEIS Availability	6/10/2011 (F)	6/10/2011 (F)	0	0
EPA FR Notice of NRC DEIS	6/22/2011 (W)	6/22/2011 (W)	0	0

New WBS tasks -- Fermi 3 EIS Preparation Schedule--Proposed	Start	Finish	Work Days	Calendar Day Count
Phase 4 - Final EIS (FEIS)	5/2/2011 (M)	6/29/2012 (F)		
DEIS Public Comments and Responses	5/2/2011 (M)	11/25/2011 (F)		53
Prepare and Issue DEIS Letters	5/2/2011 (M)	6/24/2011 (F)	39	53
Issue DEIS Letters	6/24/2011 (F)	6/24/2011 (F)	0	0
DEIS Public Meeting	6/13/2011 (M)	8/19/2011 (F)		
Prepare for and Conduct Meeting	6/13/2011 (M)	7/13/2011 (W)	22	30
Issue Meeting Notice	6/24/2011 (F)	6/24/2011 (F)	0	0
Post DEIS Meeting Activities	7/14/2011 (Th)	8/19/2011 (F)	27	36
Issue Meeting Summary	8/19/2011 (F)	8/19/2011 (F)	0	0
DEIS Comments	6/22/2011 (W)	11/25/2011 (F)		
DEIS Comment Period-75 Days from EPA FRN	6/22/2011 (W)	9/6/2011 (Tu)	52	76
DEIS Comment Period ends	9/6/2011 (Tu)	9/6/2011 (Tu)	0	0
Forward DEIS Comments to Contractor	6/22/2011 (W)	9/19/2011 (M)	62	89
Bin and Review DEIS Comments	9/6/2011 (Tu)	10/5/2011 (W)	22	30
Draft and Review Responses to DEIS Comments	10/10/2011 (M)	11/25/2011 (F)	34	46
Contractor Submits Draft Responses to DEIS Comments	11/25/2011 (F)	11/25/2011 (F)	0	0
Develop FEIS	1/2/2012 (M)	5/4/2012 (F)		
Contractor Prepares Preliminary FEIS	1/2/2012 (M)	2/3/2012 (F)	25	32
Contractor Submits Preliminary FEIS	2/3/2012 (F)	2/3/2012 (F)	0	0
NRC Reviews Preliminary FEIS	2/6/2012 (M)	3/9/2012 (F)	25	32
Conduct Writing Session and Edit FEIS	3/12/2012 (M)	3/16/2012 (F)	5	4
Contractor Submits Camera Ready Version of FEIS	4/20/2012 (F)	4/20/2012 (F)	0	0
Revise Camera Ready Version of FEIS	4/23/2012 (M)	5/4/2012 (F)	10	11
Publish FEIS	5/7/2012 (M)	6/29/2012 (F)		
FEIS Concurrence Package	5/7/2012 (M)	5/25/2012 (F)	15	18
FEIS Publication Review	5/28/2012 (M)	6/22/2012 (F)	20	25
NRC Issues FEIS, Delivers to EPA, and FRN to RDEB	6/22/2012 (F)	6/22/2012 (F)	0	0
NRC Issues FR Notice of Availability of DEIS	6/22/2012 (F)	6/22/2012 (F)	0	0
EPA FR Notice of FEIS Availability	6/22/2012 (F)	6/22/2012 (F)	0	0
Post Publication Activities	6/25/2012 (M)	6/29/2012 (F)	5	4
Phase 5 - Hearings—Pre-Hearing Support, Contested Hearing, Mandatory Hearing, Legal Facts and Conclusions	10/1/2011 (F)	12/31/2012 (M)		