

February 12, 2002

Ms. Julie Simpson
NRC Programs Coordinator
Oak Ridge National Laboratory
P.O. Box 2008 MS6210
Oak Ridge, TN 37831-6210

SUBJECT: REQUEST FOR PROPOSAL FOR TASK ORDER NO. 9, "NUCLEAR POWER PLANT OPERATING COST AND EXPERIENCE SUMMARIES," UNDER JCN J-2436, "FINANCIAL QUALIFICATIONS, ANTITRUST, INDEMNITY, AND DECOMMISSIONING FUNDING ASSURANCE PROGRAMS"

Dear Ms. Simpson:

In accordance with established procedures, please prepare and submit a cost proposal for completion of work on the Statement of Work for the subject task order transmitted herewith. At a minimum, the costs should be divided into the categories of labor, travel, DOE adder, and any other significant cost categories, e.g., FIP/ADP, subcontracts, consultants, materials. The proposal may contain proposed changes in technical approach, level of effort, and any other changes that you believe are necessary to successfully perform the work, or accomplish the work in a more timely and economical manner. The proposal should include a schedule for deliverables under the assumption that work can be authorized as early as 10 business days from the date of the proposal. The proposal should include the résumé(s) of key personnel, if not previously provided, and the percentage of time they will be available to work on the task during the performance period.

As part of your cost proposal, identify whether any of the assigned staff, contractors, or consultants are stationed outside of the Oak Ridge, TN area. If any of the proposed staff are former NRC employees, please so indicate and provide their names in your proposal. Please submit the proposal to me via facsimile at (301) 415-1032 within 10 business days from the date of this request. If you have any questions concerning this request for proposal, please call Mr. Ronald Uleck on (301) 415-3741 or call me on (301) 415-1315. Thank you for your assistance.

Sincerely,

/RA/

Tilda Y. Liu, Project Manager
Division of Regulatory Improvement Programs
Office of Nuclear Reactor Regulation

Enclosure: Statement of Work

cc w/encl: D. L. Williams, ORNL

**STATEMENT OF WORK (SOW) FOR
TASK ORDER NO. 09 UNDER JCN J-2436**

TITLE: Nuclear Power Plant Operating Cost and Experience Summaries

NRC Project Manager: Tilda Y. Liu (301) 415-1315

NRC Technical Monitor: Ronald B. Uleck (301) 415-3741

TAC Number: TBD

NRR Priority Number: 3

BACKGROUND

The NRC requires information on nuclear power plant operating and maintenance (O&M) costs and operating experience to evaluate the potential interrelationship between O&M expenditures and safety at individual nuclear power plants. Important information related to operating costs and experience were developed for the NRC by ORNL under JCN L-1918 in 1992, JCN J-2146 in 1995, JCN-2436 Task 2 in 1997, and JCN-2436 Task 7 in 2000.

OBJECTIVE

The objective of this task order is to provide updated summaries of U.S. nuclear power plant operating costs and operational events. The task will provide information to assist NRC staff in developing an empirical basis for evaluating the relationship between nuclear power plant O&M costs and safety. Additionally, the NRC will obtain ORNL expertise for the organization and analysis of data associated with operating experience of nuclear power plants. The results of this task will be reported in an update to earlier reports entitled U.S. Nuclear Power Plant Operating Costs and Experience Summaries, using data through the end of 2001.

TECHNICAL AND OTHER SPECIAL QUALIFICATIONS, AND KEY PERSONNEL

The use of experienced personnel for the key positions on this task is essential to the success of the project. Personnel assigned should have demonstrated expertise in (1) the estimation and analysis of O&M costs at current-generation nuclear power plants and (2) the relevant operating history milestones of commercial nuclear power plants. It is the responsibility of the contractor to assign technical staff, employees, subcontractors, or specialists who have the required educational background, experience, or combination thereof to meet the objectives of the work specified in this SOW. The NRC will rely on representations made by the contractor concerning the qualifications of the personnel assigned to this project, including assurance that all information contained in the technical and cost proposals, including resumes, is accurate and truthful.

The ORNL Project Manager may recommend to the NRC key personnel to serve in the capacity of task manager/supervisor subject to the approval by the NRC Technical Monitor and NRC Project Manager. Changes to key personnel by ORNL require the prior approval of the NRC Technical Monitor and NRC Project Manager.

ENCLOSURE

This task involves the development of information for review guidance, acceptance criteria, and bases for commercial nuclear power plant licensing reviews. The results of this effort have the potential to impact entities regulated by the NRC and industry organizations. The contractor must be absolutely free from direct or the appearance of organizational conflict of interest with respect to any of these entities. If any work will be subcontracted or performed by consultants, the contractor shall obtain the NRC's written approval of the subcontractor or consultant prior to initiation of the subcontract effort. Conflict of interest considerations will also apply to any subcontracted effort.

WORK REQUIREMENTS, SCHEDULE, AND DELIVERABLES

ORNL will document deliverables, with milestones and schedules, in the monthly letter status reports (MLSR) 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 Project Manager, all deliverables will be produced in both electronic (WordPerfect, other agreed upon database software required for use in analytical codes, and formats such as ".pdf" files) and hard copy versions.

Unless otherwise requested by the NRC Project Manager, the contractor will deliver one hard copy of all deliverables (draft and final) to the NRC Project Manager and one copy to the NRC Technical Monitor. The electronic versions of the deliverables will be delivered to the Technical Monitor with notification of the delivery to the NRC Project Manager. The contractor will identify the Job Control Number (JCN J-2436), the Task Order assignment number (9), and the Technical Assignment Control (TAC) Number on all correspondence related to this task.

The contractor shall provide the necessary qualified personnel, facilities, materials, and services to perform the following activities:

1. Review the format and content of earlier reports in the series and become familiar with the cost information available from the Federal Energy Regulatory Commission (FERC) and other sources required to prepare to update the report; provide periodic status reports on progress in obtaining relevant information.
2. Provide draft and final reports, in NUREG/CR format, containing updated operating costs and experience summaries for each commercial U.S. nuclear power plant. The report format and content will follow that used in the earlier ORNL reports.

The contractor will document deliverables, with milestones and schedules, in the monthly letter status reports and the commitment tracking logs. Work plans should accommodate the following expected deliverables:

<u>TASK DESCRIPTION</u>	<u>DUE DATE OR DAYS</u>
(A) Completion of WORK REQUIREMENTS (1) and status discussions.	periodic technical letter reports every 60 days
(B) Completion of WORK REQUIREMENTS (2) and submit draft report to NRC.	September 30, 2002
(C) Submit final report (camera-ready) to NRC.	30 days after receipt of comments from NRC

LEVEL OF EFFORT

The level of effort for this task is estimated at 18 professional staff weeks and 4 administrative staff weeks.

PERIOD OF PERFORMANCE

The period of performance is projected to be through November 15, 2002.

MEETINGS AND TRAVEL

Two, one-person, two-day trips to NRC headquarters in Rockville, MD and to other Federal agency locations in the Washington, DC area should be planned for information gathering, meetings to resolve open issues, NRC review comments of draft material, and presentation to NRC management. ORNL will plan on making key personnel assigned to the task available for any project progress meeting or program review that may be held at ORNL while the task is active; progress meetings should be planned to occur quarterly and program reviews annually.

OTHER APPLICABLE INFORMATION

The work specified in this task is license fee recoverable under 10 CFR Part 171.