



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

DEC 06 1990

Viking Systems International
Attention: Mr. Jack Saluja, President
2070 William Pitt Way
Pittsburgh, Pennsylvania 15238

Dear Mr. Saluja:

Subject: Task Order 14, "Review of Allocation on Structural Steel
Designs at the Byron and Braidwood Plants," under Contract
NRC-03-87-028

This letter confirms verbal authorization provided to Viking Systems International on November 29, 1990 to commence work on Task Order 14 effective December 1, 1990 with a temporary ceiling of \$7,000.00 in accordance with task order procedures of the contract, this letter definitizes Task Order 14. This effort shall be performed in accordance with the enclosed Statement of Work and Viking Systems International's November 26, 1990 proposal, incorporated herein by this reference.

The total cost ceiling of Task Order 14 is \$13,000.00, which includes the verbal on a temporary ceiling of \$7,000.00. The amount of \$11,829.62 represents the total estimated reimbursable costs and the amount of \$1,170.38 represents the fixed fee.

Accounting data for Task Order 13 is as follows:

B&R No.:	1201915020
FIN No.:	D17620
APPN No.:	31X0200.201
AMOUNT OBLIG:	\$13,000.00

The period of performance of Task Order 14 shall be from December 1, 1990 through March 15, 1991.

The issuance of this task order does not amend any terms or conditions of the subject contract.

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PDR CONTR
NRC-03-87-028 PDR

Your contacts during the course of this task order are:

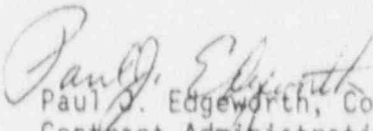
Technical Matters: Brian Thomas
Project Officer
(301) 492-1210

Contractual Matters: Sharlene McCubbin
Division of Contracts
(301) 492-7764

Your acceptance of this task order should be indicated by having an official authorized to bind your organization execute three copies of this document in the space provided below and returning two copies to the Contract Administrator. The third copy should be retained for your records.

Should you have any questions regarding this matter, please contact Sharlene McCubbin on (301) 492-7764.

Sincerely,


Paul J. Edgeworth, Contracting Officer
Contract Administration Branch No. 1
Division of Contracts and
Property Management
Office of Administration

Enclosure:
Statement of Work

cc: Armand Lakner

ACCEPTED: Task Order 14

Jack Saluja
Name
President
Title
12/13/90
Date

Task Order 14

Statement of Work

Title: Review of Allegations on Structural Steel Designs at the Byron and Braidwood Nuclear Power Plants

FIN: D-1762

Priority: 1

B&R Number: 120-19-15-02

TAC No.:

NRC Project Officer: Brian E. Thomas, NRR (301) 492-1210

NRC Lead Engineer: Hans Ashar, NRR (301) 492-0851

BACKGROUND

A number of concerns regarding the structural steel designs at the Byron and Braidwood Nuclear Power Plants has been expressed by an alleged who is considered as an expert witness in a current litigation against Sargent and Lundy Engineers, Inc. Sargent and Lundy Engineers, Inc. is the Architectural Engineer (A/E) consulting with the licensee regarding the structural steel design for both plants.

The Structural and Geosciences Branch (ESGB) of the Division of Engineering Technology, NRR has the responsibility to resolve these concerns.

It should be noted that the details of the allegations are exempt from disclosure under 10 CFR 2.790, Public Inspections, Exemptions, Request for Withholding, and under Section H, Special Contract Requirements, Subsection H.7, Proprietary Data and Confidential Information, of the basic contract.

Accordingly, the contractor is required to maintain strictest confidence on any material or information associated with this task. Any technical direction, transfer of information, materials and correspondence related to the task is restricted to occur between the NRC Lead Engineer, NRC Project Manager, the technical expert and the contractor's management personnel that absolutely has a "right-to-know" basis.

OBJECTIVE

The objective of this task assignment is to obtain specialized technical expertise on issues surrounding structural steel designs to review the structural steel designs at the Byron and Braidwood Nuclear Power Plants with respect to concerns raised by the allegations.

WORK REQUIREMENTS

The contractor is to provide the necessary qualified personnel, facilities, materials, and services to perform the work under this Task Order.

The contractor is to provide a specialist with expertise in structural steel designs to review approximately nine allegations at the Byron and Braidwood Nuclear Power Plants. Such expertise is to be supported by hands-on research and development (R&D) experience associated with the development of the American Institute of Steel Construction (AISC) specifications for structural steel designs and construction. Specific tasks under this Task Order are:

Task 1

Within one week after initiation of the work, the technical expert is to travel to the NRC Headquarters in Rockville, MD to obtain a briefing on the nature and scope of the allegations and the focus of the NRC review of these allegations.

Task 2

Upon request by the NRC, the expert is to participate in one meeting with the licensee at the location of the licensee's office in Chicago, Illinois, to audit some of the structural steel design calculations. The contractor's participation in a number of teleconferences with the licensee and NRC is also required.

Task 3

Based on an assessment of the information obtained by the expert under tasks 1 and 2, the expert shall prepare a Technical Evaluation Report (TER) describing the licensee's analysis for the structural steel designs, any non-conformance with AISC specifications, and specifically delineating the acceptability or non-acceptability of the designs with respect to the areas of concern raised in the allegations.

The expert shall provide a draft TER within two weeks after concluding the meeting under Task 2. The final TER shall be provided within two weeks after receipt of NRC comments on the draft TER.

LEVEL OF EFFORT AND PERIOD OF PERFORMANCE

The level of effort is estimated at 12 professional staff days over a 4 month period (December 1, 1990 to March 15, 1991) apportioned as follows for planning purposes:

<u>Task</u>	<u>Level of Effort (days)</u>
1	3
2	4
3	<u>5</u>
Total	12 days

REPORTING REQUIREMENTS

Task 3:

Scheduled Completion

Prepare Draft TER

Within two weeks of meeting with the licensee.

Prepare Final TER

Within two weeks of receiving NRC comments.

In addition, the contractor shall furnish monthly progress reports in accordance with requirements of the basic contract.

MEETINGS AND TRAVEL

A two person, one-day trip to NRC Headquarters regarding Task 1 is anticipated. A one person, three-day trip to the licensee's office in Chicago, Illinois and to one of the plant sites is anticipated regarding Task 2

PERIOD OF PERFORMANCE

The period of performance shall begin on December 1, 1990 and continue through March 15, 1991.

APPLICABLE SPECIAL PROVISIONS

The work specified in this SOW is fee recoverable.

It is the responsibility of the contractor to assign technical staff, employees, subcontractors, or consultants who have the required education background, experience, or combination thereof to meet both the technical and regulatory objectives of the work specified in this SOW. The contractor shall provide for NRC staff evaluation and selection resumes of a minimum of two persons with applicable expertise in the technical areas specified above under Work Requirements. Authorization for the contractor to commence work will be given once the selection is made. 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.

NRC FURNISHED MATERIAL

Specific information regarding the allegations and any applicable NRC rules regarding allegations will be provided by the NRC Lead Engineer.