

NOV 29 1988

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MEMORANDUM FOR: Barbara Meehan
 Technical Assistance Contracts Branch
 Division of Contracts, ADM

FROM: Abou-Bakr K. Ibrahim
 Geology/Geophysics Section
 Geosciences & System Performance Branch, HLWM

SUBJECT: CONTRACT NO. NRC-02-84-001, "ENTITLED TECHNICAL ASSISTANCE
 IN GEOPHYSICAL METHODS FOR SITE CHARACTERIZATION" WESTON
 GEOPHYSICAL CORPORATION, TASK ORDER NO. 23

Enclosed is Task Order No. 23 to be submitted to Weston Geophysical Corporation to assist the NRC staff in reviewing the final SCP and associated Study Plans.

Please notify me immediately if there are any problems with this request. Thank you for your attention in this matter.

/s/
 Abou-Bakr K. Ibrahim
 Geology/Geophysics Section
 Geosciences & Systems Performance Branch, HLWM

Enclosure:
Task Order No. 23

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STATEMENT OF WORK
TASK ORDER NO. 23
UNDER CONTRACT NO. NRC-02-84-001

BACKGROUND AND OBJECTIVES:

The Division of High-Level Waste Management expects to receive the the final SCP and associated Study Plans for the Yucca Mountain Project in Nevada around the end of December 1988. This SCP has been prepared by DOE in accordance with the Nuclear Waste Policy Act and it summarizes the information collected to date about the geologic conditions at the site. The objective of this task is to have Weston Geophysical Corporation review selected portions of the SCP and associated Study Plans, and provide their comments.

WORK REQUIREMENTS:

Weston Geophysical Corporation will review selected portions of the SCP and the Study Plans and evaluate whether the results of tests or experiments will relate to the overall site characterization program. Ensure that the SCP program is complete in detail of the different studies and the SCP lists the different test, test methods, data/parameters to be collected, methods of analysis, limitation and potential uncertainty associated with each test. Also, Weston will evaluate DOE's response to NRC comments in geophysics made on the CDSCP. Specific portions of SCP to be reviewed by Weston will be determined upon receipt and preliminary review of the SCP by NRC staff. Weston Geophysical Corporation should be familiar with the Administration Plan and Procedures (APP) for NRC Staff Review of DOE's SCP and the Review Plan for NRC staff Review of DOE's SCP.

REPORTING REQUIREMENT:

The final products of this task is to provide written comments in the form of point papers similar to these comments on the CDSCP.

SCHEDULE:

Schedules require Weston to attend meetings in Rockville and to complete the review of SCP and other related references and to provide NRC with the review comments by a date that will be agreed upon between the parties.

NRC FURNISHED MATERIAL:

Final SCP and Study Plans.

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ESTIMATED LEVEL OF EFFORTS:

The estimated level of effort of this task is 40 man days. Should Weston Geophysical determine NRC's estimate to be insufficient for completion of the required efforts, Weston should notify NRC's Contracting Officer within 5 days from receipt of the task order.

Task Order Request

1. Contract Administrator Name B. Meehan
2. Contractor Name Weston Graphics 3. Task Order No. 23
4. Contract Number NRC-02-84-001
5. Task Order Title Review Final SCP
6. Part of Basic Contract's Statement of Work that this task is related to.
Ex. (Task 5, Subtask 3.2, paragraph 5) TASK 2
7. Project Officer Name A.K. Ibrahim 8. Extension Number 20523
9. Are new security requirements beyond those in the basic contract involved in performance of the task? Yes _____ No
10. Evaluation of degree to which contractor can closely estimate the cost of performance.

Check One

High _____ Medium or Low _____

11. Evaluation of degree to which any qualified contractor could guarantee satisfactory completion of the task.

Check One

Excellent Fair _____

12. Independent Government Level of Effort/Cost Estimate \$ 40m/day
(derived by use of method (a) or (b) below)

a. In contracts where labor rates by labor categories are specified in the basic contract.

- i. Determine the labor categories, multiply their dollar rates by your estimated number of hours per category, add for additional other direct costs (Ex. travel 20.5¢ mile, air fare, special items contractor must purchase) and total the amounts for all items.

Ex. Project Manager	\$35/hour x 50 hours =	1,750
Senior Analyst	\$25/hour x 75 hours =	1,875
Junior Analyst	\$12/hour x 100 hours =	1,200
Technician	\$ 9/hour x 100 hours =	<u>900</u>
TOTAL		5,725

Other Direct Costs

Travel (local) 20.5¢/mile x 200 miles	41
Air Fare to California	<u>450</u>
TOTAL	<u>491</u>
TOTAL ESTIMATED COSTS	6,216

- b. In contracts where labor rates are not specified,
- i. Estimate the number of staff years required and multiply by what you believe is a reasonable cost for a staff year in the applicable industry.

Ex. Scientific Code Development

3 staff years (1 staff year = 2080 hours of one person)
 x \$100,000/staff year
 \$300,000 = Total Estimated Costs

13. Workdays required by contractor to submit a proposal 5 days.
 (consider complexity of the Statement of Work and contractor experience in submitting similar proposals).