



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

CWO

AUG 17 1982

CWO-112
CWE-5

Colonel R. L. Friedenwald
Executive Director of Civil Works
Office of Chief
U.S. Army Corps of Engineers
Washington, DC 20314

Dear Colonel Friedenwald:

Subject: Interagency Agreement (IA) No. NRC-03-82-102 Work Order
No. Three (3)

When signed by the Corps of Engineers (COE), this Work Order No. Three (3) becomes effective under Article II entitled "Procedures for Placing Work Orders under this Agreement" of the subject IA. The COE shall acknowledge receipt of this Work Order No. Three (3) immediately returning to the Nuclear Regulatory Commission (NRC) a copy of this letter signed below.

The COE shall perform the effort specified in Article I of the IA entitled "Statement of Work." See Attachment A for described requirements under this Task/Work Order. The level of effort is estimated at 0.2 staff-years over a 9 month period of performance.

Total charges under this Work Order No. Three (3) shall not exceed \$10,000 for technical services and \$2000 for travel (in accordance with Article IV of the IA) pending receipt of a proposal from the COE and subject to negotiation of the proposed costs.

Notwithstanding said negotiation, the contractor shall commence performance of this Work Order as stated above. Within thirty (30) calendar days after receipt of this Work Order, the contractor shall check appropriate block below, execute and return this document. In the event the contractor disagrees with the ceiling amount and/or schedule reflected herein, the contractor shall furnish the Contracting Officer a cost proposal and revised schedule for performance of the Work Order. Any such proposal shall be furnished with the return of this document. Within fifteen (15) calendar days after receipt of the contractor's proposal, the Contracting Officer shall either ratify the original total ceiling price and schedule, or adopt the Contractor's revised estimates, or some combination of the two and revise or confirm the Work Order accordingly. Should the Contracting Officer determine that a lower total ceiling amount than that provided by the Contractor is warranted, and, in the event the Contractor remains of the belief that the total ceiling amount is inadequate to complete the assigned Work Order, the Contractor shall, upon his written request to the Contracting Officer submitted within ten (10) business days after his receipt of the Contracting Officer's confirmation or amendment of the pertinent Work Order, be excused from further performance of such Work Order. In such event the Contractor shall be paid for work performed to that date in accordance with the provisions of Articles IV and VIII. Your attention is directed to Article VI entitled "Task Order Ceiling."

The total amount presently obligated with respect to this Work Order No. 3 is \$12,000.00. Specific accounting and appropriation data is as follows:

Technical Services

Appropriation Symbol:	31X0200.202
BYR No.:	20-19-40-41-2
FIN No.:	B 8027
Amount Obligated:	\$10,000.00

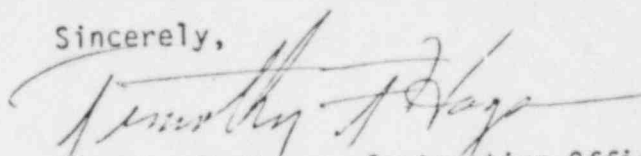
Travel

Appropriation Symbol:	31X0200.202
B&R No.:	20-21
Division/Sub-Unit Code:	22-15
Amount Obligated:	\$2,000.00

In the event you agree with the provisions contained herein, please so indicate by executing the three copies of this Work Order in the space provided and returning two (2) fully executed copies to me.

This authorization does not amend any terms or conditions of the agreement.

Sincerely,



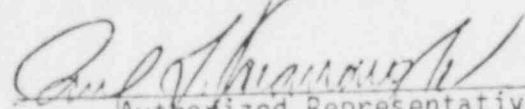
Timothy F. Hagan, Contracting Officer
Technical Assistance Contracts Branch
Division of Contracts

Attachment: Task Work Order No. 3

Accepted

(x) Agree

() Disagree - Cost estimate will be submitted within 30 calendar days

By: 

Authorized Representative
PAUL F. KAVANADGE
Colonel, Corps of Engineers
Executive Director of Civil Works

Effective Date

Geotechnical Engineering Case Reviews II
FIN No. B8027
Contract No. NRR-03-82-102
Task Work Order No. 3

Limerick Generating Station Site

Project Officer: Dr. Lyman Heller, FTS 492-8141
Technical Monitor: Dr. J. R. Pearring FTS 492-9563

Background & Objective

The service of the Corps of Engineers is required to assist the NRC staff in support of the safety evaluation of the soil and rock slopes associated with the Limerick Generation Station spray pond. The licensee has conducted prior site investigation and studies producing site specific data related to these evaluations. Corps of Engineering expertise is required to supplement staff review of related geotechnical site information from all available sources and to perform analysis and evaluation of the stability of safety related soil and rock slopes under static and dynamic condition. A determination of the adequacy of rock bolting and shotcrete slope stabilization measures employed by the applicant at the site is also required.

Work Requirements

1. Meet with the NRC staff in Bethesda, Maryland for a period of about one week to review the applicant's submittals and to obtain copies of documents needed for preparation of the COE report.

Estimated Completion Date

Four (4) weeks after effective date of agreement

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|---|--|
| 2. Prepare a letter report to the NRC summarizing the COE conclusions regarding the stability of soil and rock slopes at the Limerick Generating Station site and a summary of the bases for the conclusions. | Sixteen (16) weeks after effective date of agreement |
| 3. Prepare for and attend meetings and public hearings with staff and Licensee. | Nine (9) months after effective date of agreement |

Level of Effort and Period of Performance

The level of effort is estimated at 0.2 staff years over a 9 months period.

Reporting Requirements

1. Upon completion of the Work Requirements, submit the specified letter report (technical report) to the Project Officer and the Technical Monitor, at the following address:

U.S. Nuclear Regulatory Commission
Office of Nuclear Reactor Regulation
Mail Stop P-214
Washington, D.C. 20555

2. The business letter report should be submitted at the completion of Task Work Order No. 3 as delineated in the IA, Article 1.D.2

Meetings and Travel

It is estimated that the Corps of Engineers reviewer will be required to visit the NRC office in Bethesda, Maryland for a period of 5 days in travel status.

The major portion of the review is expected to be accomplished at the Corps of Engineers office. One site visit to the plant during the period of work is contemplated. The attendance of the Corps of Engineers reviewer at one review meeting in Bethesda, Maryland is also contemplated.

NRC Furnished Materials

The NRC will make available at the NRC office all relevant submittals from the applicant and other materials necessary for the COE reviewer to perform the work required. Information that the COE reviewer needs to complete the review away from the NRC offices will be provided by the NRC Staff.