



23 August 1988

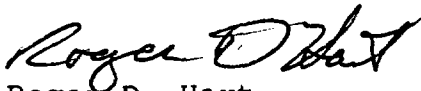
Naiem Tanius  
U.S. Nuclear Regulatory Commission  
Division of Waste Management  
Mail Stop 4H3  
Washington, D.C. 20555

"NRC Technical Assistance  
for Design Reviews"  
Contract No. NRC-02-85-002  
FIN D1016

Dear Naiem:

Enclosed is Progress Report No. 36 for the period 1-31 July 1988 on Task Orders No. 001, 005 and 006, Contract NRC-02-85-002. Also enclosed are the summary sheet for the July voucher. Please call me if you have any questions.

Sincerely,

  
Roger D. Hart  
Program Manager

cc: R. Ballard, Engineering Branch  
Office of the Director, NMSS  
E. Wiggins, Division of Contracts  
DWM Document Control Room

Encl.  
rdh/ks

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## ITASCA MONTHLY PROGRESS REPORT

Progress Report No. 36  
NRC Technical Assistance  
for Design Reviews

22 August 1988  
Contract No. NRC-02-85-002

Reporting Period: 1 - 31 July 1988

### 1.0 INTRODUCTION

This progress report summarizes the work performed during July 1988 on NRC Contract No. NRC-02-85-002. During July, work progressed on Task Orders No. 001, 005 and 006.

### 2.0 ACTIVITIES DURING THE REPORTING PERIOD

- A. On 5 July, Modification 5, to Contract NRC-02-85-002, designating Naiem Tanious as Project Officer, was received.
- B. The agenda for the 18 July NRC/DOE ESF Design Meeting was received on 8 July 1988 (Task Order No. 001).
- C. Progress Report No. 35 and Invoice No. 35-88-112 were transmitted on 14 July.
- D. The report "Near-Field Thermal Analysis of SCP-CDR Waste Emplacement Schemes at NNWSI" was transmitted on 14 July (Task Order No. 005).
- E. On 18 July, authorization was received to attend the following meetings:
  - (1) one Senior Engineer and the NNWSI Principal Investigator to attend the NRC/DOE ESF Design Meeting during the week of 18 July in Washington, D. C. (Task Order No. 001);
  - (2) Project Manager to attend a 20 July meeting at NRC to discuss topical reports under preparation by Itasca (Task Order No. 006);

**ITASCA**

- (3) QA Manager to attend the 2-3 August Colloquium on Quality Assurance for Underground Radioactive Repositories at the National Academy of Sciences in Washington, D. C. (Task Order No. 001); and
  - (4) one Engineer to attend the 90% ESF Design Meeting to be held during the week of 8 August in Las Vegas, Nevada (Task Order No. 001).
- F. On 18 and 19 July, J. Daemen and L. Lorig attended the NRC/DOE ESF Design Meeting in Washington, D.C. (Task Order No. 001).
- G. On 20 July, J. Daemen, R. Hart and L. Lorig met with the NRC to discuss the topical reports being prepared by Itasca (Task Order No. 006).
- G. Document Review No. 006-01-61, "Draft Generic Technical Position Guidance for Determination of Anticipated Processes and Events and Unanticipated Processes and Events" was transmitted on 21 July (Task Order No. 006).

### 3.0 RESULTS

#### A. Documents Submitted in July

1. Document Review No. 006-01-61, "Draft Generic Technical Position Guidance for Determination of Anticipated Processes and Events and Unanticipated Processes and Events" (Task Order No. 006)

Professional Labor	J. Daemen	12 hours
	L. Lorig	16 hours

2. "Near-Field Thermal Analysis of SCP-CDR Waste Emplacement Schemes at NNWSI" (Task Order No. 005)

Professional Labor	M. Board	16 hours
	L. Lorig	3.5 hours

B. Works in Progress

1. Document Review 0006-01-56, "Draft Report on In-Situ Testing" (Task Order No. 006)

Professional Labor            M. Board            50 hours

2. Document Review 006-01-58 "Site Characterization Plan CDR" (Task Order No. 006)

Professional Labor            T. Brandshaug      16 hours  
   L. Lorig            4 hours  
   D. Russell          8 hours

3. Document Review No. 006-01-60, "Implicit Thermal Logic in MUDEC" (Task Order No. 006)

Professional Labor            M. Mack            5 hours

4. Topical Report No. 006-01-T3, "Stability of Rooms during Retrieval" (Task Order No. 006)

Professional Labor            T. Brandshaug      40 hours  
   M. Christianson    2 hours

5. Topical Report No. 006-01-T10, "Exploratory Shaft Facility Design" (Task Order No. 006)

Professional Labor            K. Wahi            19 hours

4.0 QUALITY ASSURANCE

Correspondence logs were monitored and NRC and NNWSI documents were received and catalogued.

5.0 DIFFICULTIES

No specific difficulties were encountered during the reporting period. We require written authorization to proceed with Document Review No. 006-01-63, "Technical Position on Post-Closure Seals in an Unsaturated Medium".

6.0 ACTIVITIES PLANNED FOR THE NEXT REPORTING PERIOD

A. Work will continue on preparation of the following tasks.

1. Document Review No. 006-01-56, "In-Situ Test Plan" (Task Order No. 006)
2. Document Review No. 006-01-58 "Site Characterization Plan CDR" (Task Order No. 006)
3. Document Review No. 006-01-63, "Technical Position on Post-Closure Seals in an Unsaturated Medium" (Task Order No. 006)
4. Topical Report No. 006-01-T3, "Stability of Rooms during Retrieval" (Task Order No. 006)
5. Topical Report No. 006-01-T5, "Disturbed Zone" (Task Order No. 006)
6. Topical Report No. 006-01-T10, "Exploratory Shaft Facility Design" (Task Order No. 006)
7. Sensitivity of Joint Parameters (Task Order No. 005)

B. Planned Trips

1. On 2-3 August, J. Markham is to attend the Colloquium on Quality Assurance for Underground Radioactive Repositories in Washington, D.C.
2. It was decided not to send a representative to the 90% ESF Design Meeting during the week of 8 August in Las Vegas.

7.0 MEETINGS/TRIPS DURING THE REPORTING PERIOD

- A. J. Daemen and L. Lorig attended the NRC/DOE ESF Design Meeting in Washington, D.C., on 18-19 July (Task Order No. 001).

Professional Labor	J. Daemen	16 hours
	L. Lorig	24 hours

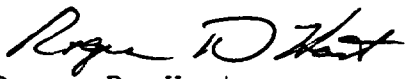
- B. J. Daemen, R. Hart and L. Lorig met with NRC staff to discuss topical reports on 20 July (Task Order No. 006).

Professional Labor	J. Daemen	13 hours
	R. Hart	10 hours
	L. Lorig	10 hours

8.0 SCHEDULE AND COST PROJECTION

The billing summary for the July invoice is attached. All task orders remain within budget. Task Orders Nos. 002 and 005 have expired, but charges to both these task orders have been made after the expiration dates. Neither task order is over budget.

Respectfully submitted,



Roger D. Hart  
Program Manager

22 August 1988

attach.  
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