



13 May 1988

Naiem Tanious  
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:

Please find enclosed a list of on-going tasks which Itasca is performing for the NRC. These tasks were assigned through the current Task Orders No. 1, 2, 5 and 6. This should help you identify the status of our work for the NRC.

Also attached is a preliminary outline and schedule for the recently assigned topical report work (Task Orders No. 1 and 6, letter dated 28 March 1988). This information is provided in preparation for a discussion on the substance of these reports, which is proposed to be held at the NRC in late May.

Please call me if you have any questions.

Sincerely,

A handwritten signature in cursive script, appearing to read "Roger D. Hart".

Roger D. Hart  
Project Manager

encl.  
rdh/ks

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W/ltc Ltd 5/13/88  
To: Naïem Tanioud  
From: Roger D. Hart

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NRC TECHNICAL ASSISTANCE DESIGN REVIEWS

(Itasca Job No. 802)

OUTSTANDING NRC TASKS

13 May 1988

REVIEWS

<u>PERSON</u>	<u>DATE ASSIGNED</u>	<u>REVIEW/TASK NO.</u>	<u>DESCRIPTION</u>	<u>TIME ALLOWED</u>
MB/KW	11/87	Task Order No. 006, Subtask 1, Review No. 006-01-44	Analysis of Joint Stiff- ness (RHO- CB-0622)	3 days
MB/KW	11/87	Task Order No. 006, Subtask 1, Review No. 006-01-46	LAR Review, BWIP SCP	3 days
MB/KW	11/87	Task Order No. 006, Subtask 1, Review No. 006-01-49	ES Test Portholes (RHO-SD- BWI-TI-119)	1 day

REVIEWS (continued)

<u>PERSON</u>	<u>DATE ASSIGNED</u>	<u>REVIEW/TASK NO.</u>	<u>DESCRIPTION</u>	<u>TIME ALLOWED</u>
LJL	1/88	Task Order No. 006, Subtask 1, Review No. 006-01-55	NNWSI Per- formance Seals (SAND84- 1895)	1 week
MB	1/88	Task Order No. 006, Subtask 1, Review No. 006-01-56	In-Situ Test Report	?
JD/LJL	1/88	Task Order No. 006, Subtask 1, Review No. 006-01-58	NNWSI SCP- CDR	13 weeks
LJL	1/88	Task Order No. 006, Subtask 1, Review No. 006-01-59	"Rock Mass Permeabil- ity" (SAND86- 7001)	1 week
MGM	3/88	Task Order No. 006, Subtask 1, Review No. 006-01-60	Implicit Thermal Logic in MUDEC	10 days
LJL	3/88	Task Order No. 006, Subtask 1, Review No. 006-01-61	NRC GTP on Anticipated & Unantici- pated Events	5 days

**STUDIES**

<u>PERSON</u>	<u>DATE ASSIGNED</u>	<u>REVIEW/TASK NO.</u>	<u>DESCRIPTION</u>	<u>TIME ALLOWED</u>
MGM	5/87	Task Order No. 005, Subtask 2	SRP SCP-CDR (review an- alysis (WIPP benchmark study)	3 weeks
MC	5/87	Task Order No. 005, Subtask 1	sensitivity of joint parameters	8 weeks
MB	5/87	Task Order No. 005, Subtask 1	thermome- chanical analysis	8 weeks
LJL	5/87	Task Order No. 005, Subtask 1	seismic analysis	6 weeks
MGM	4/86	Task Order No. 002, Subtask 2	MUDEC veri- fication	???
BB	3/88	Task Order No. 006, Subtask 1, Study No. 006-01-T1	Study on Alternative Waste Em- placement Concepts	6 weeks
BB	3/88	Task Order No. 006, Subtask 1, Study No. 006-01-T2	Study on Variability of Heat Load on Stability of Openings	6 weeks

STUDIES (continued)

<u>PERSON</u>	<u>DATE ASSIGNED</u>	<u>REVIEW/TASK NO.</u>	<u>DESCRIPTION</u>	<u>TIME ALLOWED</u>
MM	3/88	Task Order No. 006, Subtask 1, Study No. 006-01-T3	Study on Stability of Openings During Retrieval	6 weeks
RDH	3/88	Task Order No. 006, Subtask 1, Study No. 006-01-T4	Study on Emplacement Borehole Liner Sta- bility	6 weeks
MC	3/88	Task Order No. 006, Subtask 1, Study No. 006-01-T5	Study on the Disturbed Zone	6 weeks
JD	3/88	Task Order No. 006, Subtask 1, Study No. 006-01-T6	Study on Borehole and Shaft Seals in Unsaturated Zone	6 weeks
JD	3/88	Task Order No. 006, Subtask 1, Study No. 006-01-T7	Study on Seals Materials Selection	4 weeks
JD	3/88	Task Order No. 006, Subtask 1, Study No. 006-01-T8	Study on Performance Confirmation Test for Seals	4 weeks

STUDIES (continued)

<u>PERSON</u>	<u>DATE ASSIGNED</u>	<u>REVIEW/TASK NO.</u>	<u>DESCRIPTION</u>	<u>TIME ALLOWED</u>
JD	3/88	Task Order No. 006, Subtask 1, Study No. 006-01-T9	Study on Extrapolated Short Test for Long-Term Seal Perform- ance	4 weeks
KW	3/88	Task Order No. 006, Subtask 1, Study No. 006-01-T10	Study on ESF Design	6 weeks
MB	3/88	Task Order No. 006, Subtask 1, Study No. 006-01-T11	Study on Discontin- ous vs Con- tinuous Analysis for NNWSI	4 weeks