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MEMORANDUM FOR: R. S. Brown, Jr., Assistant to
the Director and Chief
Program Support Branch, NMSS

FROM: John B. Martin, Director
Division of Waste Management

SUBJECT: REQUEST FOR MODIFICATION TO TASK 5 CONTRACT NO.
NRC-02-81-037 ENTITLED, "TECHNICAL ASSISTANCE FOR
REPOSITORY DESIGN," GOLDER ASSOCIATES, INC. (GAI)

This memo is to request that an RFPA be prepared to modify Task 5 "Evaluation of Engineering Aspects of Backfill Placement," of the subject contract as outlined in this memorandum. We propose to extend for sixty (60) days, the scheduled completion date of Task 5 at no additional cost. This extension has been discussed with GAI on November 30, 1982.

Revision No. 4, dated September 14, 1982, modified the contract to have GAI include additional information and to have GAI perform additional efforts under the conditions of Task 5. The modification recognized the DOE's radically different design for the shape of the repository rooms, design analysis and methods of emplacing waste. Briefly, the design of the excavated openings are now ovaloid instead of conventional "horseshoe" shape. The ratio of horizontal to vertical stress is at least 2:1, twice the previous estimate for this design parameter. The waste package is planned to be placed in the wall (pillar) of the room instead of the floor. The level of effort to complete this work was estimated to be 150 man-days. The Task 5 work was scheduled for completion by early December.

The draft interim Task 5 report was submitted by GAI (Ltr. No. 72, dated September 15, 1982) and was reviewed by the NRC staff. Review comments were submitted to GAI (NRC Ltr. No. 63, dated October 8, 1982). GAI's implementation of the review comments coincided with assigned projects under Task 6, with the review of the SCR and with the work supporting the Draft Site Characterization Analysis (DSCA) workshops. The priority and

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additional emphasis placed on the SCR review caused GAI to reassign technical staff working on Task 5. This unavoidably delayed the completion of the Final Draft Report.

It is recommended that Task 5 be modified by extending the submittal date for Task 5, at no additional cost to the government, 60 calendar days to January 19, 1983. It is requested that the Contract be modified by deleting under the heading "Schedule" the figure "500" for "Draft Report Task 5" and substituting in lieu thereof the figure "560". If you have any questions regarding this RFPA, please contact Mr. L. Hartung, Project Officer, at x74646.

Original Signed by
Robert E. Browning

for John B. Martin, Director
Division of Waste Management

cc: D. Mattson, WMPI
D. Umbel, NMSS
J. Fields, ADM-DC

Record Note:

This memorandum has been coordinated with:

1. Mrs. Joyce Fields, ADM-DC
2. Mrs. Donna Umbel, NMSS
3. Mrs. Donna Mattson, WMPI

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