Rockwell Hanford Operations
Energy Systems Group
P.O. Box 800
Richland, WA 99352

Rockwell International

December 7, 1983

In reply, refer to letter #R83-4545

Mr. O. L. Olson, Project Manager
Basalt Waste Isolation Project Office
Department of Energy
Richland Operations Office
Richland, Washington 99352

'83 DEC 22 A10:24
WM DOCKET CONTROL CENTER

Dear Mr. Olson:

TELEPHONE CONFERENCE REPORTS
(Contract DE-AC06-77RL01030)

Attached, please find a copy of our Telephone Conference Report with Mr. R. Coutre, Argonne National Laboratory (a Nuclear Regulatory Commission contractor), on November 28, 1983. Per your instructions, we have also transmitted copies to the individuals identified on the distribution list.

If you have any questions, please contact Mr. J. H. LaRue on 376-8506.

Very truly yours,

E. B. Ash, Director
Basalt Waste Isolation Project

EBA/jac

Att.

cc: J. H. Anttonen - DOE-RL
P. E. Rasmussen - DOE-RL
J. J. Sutey - DOE-RL
F. R. Cook - NRC
R. J. Wright - NRC

WM Record File 101.2
WM Project 10
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Rockwell International
Rockwell Hanford Operations
Energy Systems Group

No. 10300-83-122

COPIES TO

O. L. Olson - DOE-RL	L. R. Fitch - Rockwell
F. R. Cook - NRC	M. J. Smith - Rockwell
R. J. Wright - NRC	M. K. Altenhofen - Rockwell
E. B. Ash - Rockwell	Rec. Rtn.
J. H. LaRue - Rockwell	

TELEPHONE CONFERENCE

Time: 11:53 am Date: 11/28/83

[XX] Incoming [ ] Outgoing

With: Rex Coutre

Representing: Argonne Natl. Lab/NRC Contractor

With: M. J. Smith

Representing: Rockwell

Commitment Made [ ] Yes [X] No

File: Nuclear Regulatory Commission

Purpose Of Telecon

To discuss backfill temperatures and waste package designs.

Text Of Telecon

(1) Mr. Coutre wanted to know the backfill peak temperatures for reference design.

Answer: Assuming backfilling occurs 50 yr after emplacement of a commercial high-level waste package, peak backfill temperatures are:

Location	Peak Temperature
o Canister/Backfill Interface	252°C
o Backfill/Host Rock Interface	235°C

(2) Mr. Coutre also wanted to know if we were considering alternate designs.

Answer: Yes. Engineering Studies are in progress to evalute alternatives. The results of these studies will be used to produce an Advanced Conceptual Design for the waste package which will be completed in fiscal year 1985.

M. J. Smith, Manager
Engineered Barriers Dept.
(Signature)

11/28/83
(Date)

54-6000-120 (R-6-78)