

United States Government

Department of Energy

# memorandum

Albuquerque Operations Office  
Waste Isolation Pilot Plant  
Carlsbad, New Mexico 88221

DATE:  
REPLY TO  
ATTN OF:  
SUBJECT  
TO

JUL 03 1991

WIPP:RMB: 91-0654

Evaluation of the Effectiveness and Feasibility of the Waste Isolation Pilot Plant Engineered Alternatives  
Those on Attached List

Attached is a copy of a report entitled, "Evaluation of the Effectiveness and Feasibility of the Waste Isolation Pilot Plant Engineered Alternatives: Final Report of the Engineered Alternatives Task Force," DOE/WIPP 91-007. This report was prepared by the Engineered Alternatives Task Force (EATF) in support of work being performed at the Waste Isolation Pilot Plant (WIPP).

The report includes the results of the evaluation of 14 combinations of engineered alternatives using an enhanced design analysis model, and also discusses the feasibility of implementing these alternatives with respect to technical, regulatory, cost and project schedule criteria. The results of a comparative risk assessment of the proposed engineered alternatives, and the effects on facility location, are also included in this report.

The Department of Energy (DOE) plans to use the results obtained by the EATF in assessing the performance of the repository. A comparison shall be made of repository performance with and without modified waste forms. Selected alternatives will be included in the evaluation being done by Sandia National Laboratories as part of the Performance Assessment (PA) effort. The DOE will periodically review the need for engineered alternatives based on the results of the PA. A final determination on whether or not engineered alternatives will be required is scheduled to be made in 1994.

If you have any questions or need additional information, please contact Mr. Ravi Batra at 505-887-8119.

  
Arlen Hunt  
Project Manager

Attachment

9107230196 910703  
PDR WASTE  
WM-1 PDR

109.5  
WM-1  
N401

## Sites

J. P. Bacca, ANL-W  
E. D'Amico, RFP  
T. Clements, INEL  
B. Daugherty, SRS  
P. Hagan, RFP  
K. Hainebach, LLNL  
D. R. Hopkins, Mound  
S. Kosiewicz, LANL  
D. Lipinski, WHC  
M. B. Noland, NTS  
J. O'Leary, RFP  
C. Peterson, WHC  
B. T. Reich, LANL  
J. J. Riedesal, INEL  
J. Shappell, SRS  
A. Smith, ANL-E  
J. Stumbaugh, SRS  
J. Thuot, ANL-E  
D. W. Turner, ORNL

## SNL

D. R. Anderson  
L. Brush  
B. Butcher  
P. Davies  
E. Gorham  
A. Lappin  
D. Lincoln

## WID

T. P. Burrington  
W. H. Caplinger  
C. M. Cox  
K. S. Donovan  
L. R. Fitch  
J. J. Garcia  
T. W. Halverson  
P. R. Johnson  
R. F. Kehrman  
T. F. Kocialski  
J. L. Lee  
J. C. Lopez  
L. A. Patrick  
A. E. Petermann (10)  
L. L. Reed  
A. L. Trego

## NRC

R. E. Browning

## Miscellaneous

L. Lowry, BCD  
D. Musgrave, Tech. Team  
W. Ross, PNL  
A. Kubo

**DISTRIBUTION LIST FOR THE FINAL EATF REPORT**

**DOE/HQ**

G. Daly  
C. Frank  
M. Frei  
J. E. Lytle  
J. Rhoderick  
S. Schneider (3)

**DOE Field Offices**

J. Bellows, DOE/LAAO  
K. W. Bracken, DOE/RL  
J. N. Fiore, DOE/NVO  
R. J. Grandfield, DOE/DAO  
J. S. Greer, DOE/ORO  
J. C. Haugen, DOE/CHO  
G. N. Huffman, DOE/RFO  
N. Lingle, DOE/ORO  
T. Lukow, DOE/RFO  
D. Nakahara, DOE/SFO  
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M. A. Reker, DOE/DAO  
J. E. Solecki, DOE/IDO  
J. A. Wright, DOE/SRO

**DOE/AL**

J. E. Bickel

**DOE/WPO**

R. Batra (3)  
V. Daub  
A. E. Hunt  
J. Lippis  
M. H. McFadden (3)  
R. L. Wise

**GAO**

E. Donnelly

**Blue Ribbon Panel**

T. Bahr  
R. Bishop  
L. Slosky  
N. Squyres

**New Mexico**

J. Espinoza (2)  
A. Lockwood  
R. Neill (2)  
L. Whitlock

**NAS WIPP Panel**

H. Adler  
I. Alterman  
J. O. Blomeke  
J. D. Bredehoeft  
F. Ernsberger  
R. C. Ewing  
C. Fairhurst  
B. J. Garrick  
G. Grube  
L. F. Konikow  
P. B. Meyers  
J. O'Driscoll  
C. Whipple

**EPA**

B. Gallagher  
R. Guimond  
S. Lowrance  
M. Hale

**IT Corp.**

M. Abashian  
P. Drez  
R. McKinney