

**U.S. DEPARTMENT OF ENERGY
OFFICE OF CIVILIAN RADIOACTIVE WASTE MANAGEMENT**

**PRESENTATION TO
THE NUCLEAR WASTE TECHNICAL REVIEW BOARD**

**SUBJECT: DOE SUMMARY OF
ESF ALTERNATIVES STUDY**

PRESENTER: EDGAR H. PETRIE

**PRESENTER'S TITLE
AND ORGANIZATION: CHIEF, EXPLORATORY SHAFT BRANCH
YUCCA MOUNTAIN PROJECT OFFICE
U.S. DEPARTMENT OF ENERGY**

**PRESENTER'S
TELEPHONE NUMBER: (702) 794-7961**

JULY 24-25, 1990

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SUMMARY OF ESF ALTERNATIVES STUDY

ESF ALTERNATIVES STUDY TASK GROUPS HAVE:

- **IDENTIFIED REQUIREMENTS FOR USE IN THE EVALUATION OF OPTIONS**
- **IDENTIFIED 17 OPTIONS FOR FURTHER EVALUATION**
- **DEVELOPED A DECISION AIDING METHODOLOGY FOR EVALUATING THE 17 OPTIONS**
- **CURRENTLY INCORPORATING THE RESULTS OF THE CALICO HILLS RISK/BENEFIT ANALYSIS INTO THE LAYOUTS AND DATA SHEETS**

COMBINED OPTIONS WILL BE ANALYZED AND RANK ORDERED AND A PREFERRED OPTION SELECTED

ESF ALTERNATIVES STUDY INTERIM AND MAJOR MILESTONES

ACTIVITY NAME	ACTIVITY DESCRIPTION	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR
YK01M	ISSUE GUIDANCE			⊕10/30															
YK02M	COMPLETE IMPLEMENTATION PLAN				⊕1/16														
YK0201	SNL COMPLETES DEF OF ESF/REP/TEST REQUIREMENTS					Δ 3/9													
YK03M	MANAGEMENT REVIEW OF MAJOR OPTIONS IDENTIFIED						⊕3/30												
YK0401	SNL COMPLETES FINAL SET OF ESF OPTIONS							Δ 4/30											
YK0402	SCORE OPTIONS 50% COMPLETE								Δ 6/11	E. 8/17									
YK04M	DRAFT REVISION OF ESF REQUIREMENTS									⊕6/29									
YK0501	SNL COMPLETES SENSITIVITY ANALYSIS										Δ 7/26	E. 9/12							
YK0502	SNL COMPLETES DRAFT REPORT ON ESF ALTERNATIVES											Δ 9/14	E. 11/7						
YK0503	SNL SUBMITS RECOMMENDATION TO DOE													Δ 10/12	E. 11/14				
YK05M	RECOMMENDATION TO RW-1 ON SELECTION OF ESF CONFIG.														⊕11/16	E. 12/14			
YK06M	COMPLETE PRELIMINARY ALTERNATIVES REPORT														12/14	⊕	E. 1/31		
R6101	START FINAL ESF DESIGN																		3/30

ID	MILESTONE DESCRIPTION	Δ DOE MILESTONE	⊕ SECRETARY MILESTONE	
		REFERENCE DATE	FORECAST DATE	ACTUAL DATE
YK01M	ISSUE GUIDANCE	30 OCT 89		30 OCT 89
YK02M	COMPLETE IMPLEMENTATION PLAN	16 JAN 90		05 DEC 89
YK03M	MANAGEMENT REVIEW OF MAJOR OPTIONS IDENTIFIED	30 MAR 90		30 MAR 90
YK04M	DRAFT REVISION OF ESF REQUIREMENTS	29 JUN 90		14 JUN 90
YK05M	RECOMMENDATION TO RW-1 ON SELECTION OF ESF CONFIGURATION	16 NOV 90	14 DEC 90	
YK06M	COMPLETE PRELIMINARY ALTERNATIVES REPORT	14 DEC 90	31 JAN 91	ESDSTP5P.A337-24/25-90
R6101	START FINAL ESF DESIGN	30 MAR 91	30 MAR 91	2

**DOE WOULD LIKE THE NEXT MEETING ON
ESF ALTERNATIVES TO TAKE PLACE IN
MID-OCTOBER**

- **WILL CONFIRM WITH NWTRB IN MID-SEPTEMBER**

AT THAT MEETING:

- **RESULTS OF THE SCORING ACTIVITY AND THE SENSITIVITY ANALYSIS WILL BE PRESENTED**
- **A RANK-ORDERED LIST OF OPTIONS WILL BE AVAILABLE**