OFFICE OF (U.S. DEPARTMENT OF ENERGY CIVILIAN RADIOACTIVE WASTE MANAGEMENT
	ASTE TECHNICAL REVIEW BOARD FULL BOARD MEETING
SUBJECT:	PLANS FOR FUTURE WORK
PRESENTER:	DIANE HARRISON
PRESENTER'S TITLE AND ORGANIZATION:	BRANCH CHIEF, FIELD ENGINEERING YUCCA MOUNTAIN SITE CHARACTERIZATION PROJEC LAS VEGAS, NEVADA
PRESENTER'S TELEPHONE NUMBER:	(702) 794-7275
	PLAZA SUITE HOTEL
	LAS VEGAS, NEVADA OCTOBER 14 - 16, 1992

FY 93 Priorities for Waste Package/EBS

- Support ESF activities to get underground in FY 93
- Support-site suitability testing activities
 - Support studies to evaluate repository thermal load
 - Support activities necessary to accomplish License Application in 2001

Waste Package Environment

- Construct and activate a large block (27m³) laboratory heater test
- Issue Near-Field Environment Report
- Initiate coupling of geochemistry and hydrology codes
- Determine rate constants for zeolite interactions
- Conduct geochemical simulations for specific analogue sites
- Verify the baseline V-TOUGH hydrology code for a suite of test problems

Waste Package Environment

(Continued)

- Improve hydrology code to include radionuclide transport and non-equilibrium fracture-matrix flow using a value-averaged, dual-porosity model
- Initiate studies of heated+drift stability
- Prepare for start of ESF test program
- Continue participation in international efforts to characterize the effects of man-made materials

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Waste Form Characterization

- Issue Preliminary Waste Form Characteristics Report
- Continue long-term oxidation and dissolution testing
- Continue development of spent-fuel dissolution model
- Continue glass dissolution model development

Integrated Testing

- Continue integrated core-flow experiments at elevated temperatures
- Plan core-flow experiments that address colloid transport through fractured rock
- Continue experiments to determine adsorption of radionuclides in oxide minerals
- Continue participation in international efforts to evaluate existing thermodynamic data for actinides & technetium