UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

Reply to:
1050 East Flamingo Road
Suite 319
Las Vegas, Nevada 89119
Tel: (702) 388-6125
FTS: 598-6125

TO: Eileen Tana, HLPD, Division of High-Level Waste Management, M/S 4 H 3

FROM: Nancy J. White, Secretary, NRC, Las Vegas

DATE: June 21, 1990

SUBJECT: UPDATE FOR LAS VEGAS LIBRARY CONTENT

Please find enclosed the above-referenced information.

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cc: John Russell, Center

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102
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D-120	USGS-OFR-88-433	GRAVITY DATA FOR THE STATE OF NEVADA ON MAGNETIC TAPE -/SALTUS, 7/88
D-139	USGS-OFR-88-436	GRAIN-SIZE DATA FROM FOUR CORES FROM WALKER LAKE, NEVADA -/YOUNT, ET AL, 1990
D-138	USGS-OFR-88-553	COLOR PALETTE: PLOTTING GUIDE FOR USE WITH GSMAP AND GSDRAW DIGITAL CARTOGRAPHIC SOFTWARE -/SCHILLING, ET AL, 1989
D-127	USGS-OFR-88-560	LOCATION REFINEMENT OF EARTHQUAKES IN THE SOUTHWESTERN GREAT BASIN, 1931-1974, AND SEISOTECTONIC CHARACTERISTICS OF SOME OF THE IMPORTANT EVENTS -/GAWTHROP, ET AL
D-131	USGS-OFR-89-92	FRACTURES IN OUTCROPS IN THE VICINITY OF DRILL HOLE USW G-4, YUCCA MOUNTAIN, NEVADA - DATA ANALYSIS AND COMPILATION -/BARTON, ET AL, 1989
D-142	USGS-OFR-89-133	FEASIBILITY STUDY OF THE SEISMIC REFLECTION METHOD IN AMARGOSA DESERT, NYE COUNTY, NEVADA, 1989 -/BROCHER, ET AL (MENLO PARK, CA)
D-132	USGS-OFR-89-359	PRELIMINARY DESCRIPTION OF QUATERNARY & LATE PLIOCENE SURFICIAL DEPOSITS AT YUCCA MOUNTAIN AND VICINITY, NYE COUNTY, NEVADA -/HOOVER
D-141	USGS-OFR-89-682-A USGS-OFR-89-682-B	PRINCIPAL FACTS FOR ABOUT 16,000 GRAVITY STATIONS IN THE NEVADA TEST SITE AND VICINITY,. 1989 -/HARRIS, ET AL
D-74	USGS PROFESSIONAL PAPER 1323	STRATIGRAPHIC AND VOLCANO-TECTONIC RELATIONS OF CRATER FLAT TUFF AND SOME OLDER VOLCANIC UNITS, NYE COUNTY, NEVADA -/CARR, ET AL
D-70	USGS PROFESSIONAL PAPER 1329	VEGETATION AND CLIMATES OF THE LAST 45,000 YEARS IN THE VICINITY OF THE NEVADA TEST SITE, SOUTH-CENTRAL NEVADA -/SPAULDING
D-72	USGS SURVEY BULLETIN 1647	STRUCTURE OF PRE-CENOZOIC ROCKS IN THE VICINITY OF YUCCA MOUNTAIN, NYE COUNTY,. NEVADA--A POTENTIAL NUCLEAR-WASTE DISPOSAL SITE. -/ROBINSON

D-122	USGS SURVEY BULLETIN 1777	DISTRIBUTION, CHARACTERIZATION, AND GENESIS OF MORDENITE IN MIOCENE CILICIC TUFFS AT YUCCA MOUNTAIN, NYE COUNTY, NEVADA -/SHEPPARD, ET AL
D-123	USGS SURVEY BULLETIN 1790	GEOLOGIC AND HYDROLOGIC INVESTIGATIONS OF A POTENTIAL NUCLEAR WASTE DISPOSAL SITE AT YUCCA MOUNTAIN, SOUTHERN NEVADA -/CARR, ET AL
D-115 (Szymanski reference)	USGS WATER-SUPPLY PAPER 2242	GROUND REGIONS OF THE UNITED STATES
D-99 (Syzmanski reference)	USGS-WRI-82-4085	TWO-DIMENSIONAL, STEADY-STATE MODEL OF GROUND-WATER FLOW, NEVADA TEST SITE AND VICINITY, NEVADA-CALIFORNIA -/WADDELL
D-20	USGS-WRIR-83-4001	FLOOD POTENTIAL OF FORTYMILE WASH AND ITS PRINCIPAL SOUTHWESTERN TRIBUTARIES, NEVADA TEST SITE, SOUTHERN NEVADA -/SQUIRES, ET.AL.
D-21 (Szymanski reference)	USGS-WRIR-83-4032	GEOHYDROLOGY OF TEST WELL USW H-1, YUCCA MOUNTAIN, NYE COUNTY, NEVADA -/RUSH, ET.AL.
D-44	USGS-WRIR-84-4193	PRELIMINARY EVALUATION OF HYDROLOGIC PROPERTIES OF CORES OF UNSATURATED TUFF, TEST WELL USW H-1, YUCCA MOUNTAIN, NEVADA -/WEEKS, ET.AL.
D-45 (Szymanski reference)	USGS-WRIR-84-4197	GROUND-WATER LEVEL DATA AND PRELIMINARY POTENTIOMETRIC-SURFACE MAPS, YUCCA MOUNTAIN AND VICINITY, NYE COUNTY, NEVADA -/ROBINSON
D-46 (Szymanski reference)	USGS-WRIR-84-4248	GEOHYDROLOGY OF ROCKS PENETRATED BY TEST WELL UE-25p#1, YUCCA MOUNTAIN AREA, NYE COUNTY, NEVADA -/CRAIG, ET.AL.
D-47 (Szymanski reference)	USGS-WRIR-84-4253	GEOHYDROLOGY OF VOLCANIC TUFF PENETRATED BY TEST WELL UE-25b#1, YUCCA MOUNTAIN, NYE COUNTY, NEVADA -/LaHOUD, ET.AL.
D-48	USGS-WRIR-84-4267	HYDROLOGY OF YUCCA MOUNTAIN AND VICINITY, NEVADA-CALIFORNIA - INVESTIGATIVE RESULTS THROUGH MID-1983 -/WADDELL, ET.AL.

E-137	UCID-21571	PRELIMINARY SCOPING CALCULATIONS OF HYDROTHERMAL FLOW IN VARIABLY SATURATED, FRACTURED, WELDED TUFF DURING THE ENGINEERED BARRIER DESIGN TEST AT THE YUCCA MOUNTAIN EXPLORATORY SHAFT TEST SITE, 11/88 -/BUSCHECK, ET AL
E-144	UCID-21579	ESTIMATES OF THE WIDTH OF THE WETTING ZONE ALONG A FRACTURE SUBJECTED TO AN EPISODIC INFILTRATION EVENT IN VARIABLY SATURATED, DENSELY WELDED TUFF, 5/31/88 -/BUSCHECK ET AL
E-147	UCID-21700	YUCCA MOUNTAIN PROJECT WASTE PACKAGE DESIGN FOR MRS SYSTEM STUDIES *SAIC; SANDIA NELSON, ET AL, 4/89
E-163	UCID-21714	ON THE MOVEMENT OF A LIQUID FRONT IN AN UNSATURATED, FRACTURED POROUS MEDIUM, PART I -/NITAO, ET AL, 6/89
E-164	UCID-21743	ON THE MOVEMENT OF A LIQUID FRONT IN AN UNSATURATED, FRACTURED POROUS MEDIUM, PART II.--MATHEMATICAL THEORY -/NITAO, 6/89
E-173	UCID-21869	GEOCHEMICAL MODELING OF RADIOACTIVE WASTE GLASS DISSOLUTION USING EQ3/6: PRELIMINARY RESULTS AND DATA NEEDS -/BOURCIER, 1/90
E-176	UCID-21954	V-TOUGH - AN ENHANCED VERSION OF THE TOUGH CODE FOR THE THERMAL AND HYDROLOGIC SIMULATION OF LARGE-SCALE PROBLEMS IN NUCLEAR WASTE ISOLATION, 9/89 -/NITAO
E-15	UCRL-15667 SANL 126-016	PERMEABILITY AND FLUID CHEMISTRY STUDIES OF THE TOPOPAH SPRING MEMBER OF THE PAINTBRUSH TUFF, NEVADA TEST SITE: PART: II - -/MOORE, ET AL, 3/85
E-16	UCRL-15723 SANL 410-001	NNWSI WASTE FORM TEST METHOD FOR UNSATURATED DISPOSAL CONDITIONS - 3/85 -/BATES, ET AL
E-59	UCRL-15801 SNAL-510-002	NNWSI WASTE FORM TESTING AT ARGONNE NATIONAL LABORATORY, SEMIANNUAL REPORT -/BATES. ET AL - JULY-DECEMBER, '85 - '86
E-120	UCRL-15801-86-1 SANL-610-008	NNWSI WASTE FORM TESTING AT ARGONNE NATIONAL LABORATORY, SEMIANNUAL REPORT -/BATES, ET AL - JAN.-JUNE 1986

E-162	UCRL-100172 PREPRINT	REVIEW OF MODELS RELEVANT TO THE PREDICTION OF PERFORMANCE OF HIGH-LEVEL RADIOACTIVE-WASTE DISPOSAL CONTAINERS -/FARMER, ET AL, 11/89
E-177	UCRL-100211	MODELING OF ZIRCALOY CLADDING DEGRADATION UNDER REPOSITORY CONDITIONS, 7/89 -/SANTANAM, ET AL *FOCUS 89 - WASTE ISOLATION IN THE UNSATURATED ZONE, LAS VEGAS, NV 9/18-21/89
E-154	UCRL-100223 PREPRINT	STUDIES ON SPENT FUEL DISSOLUTION BEHAVIOR UNDER YUCCA MOUNTAIN REPOSITORY CONDITIONS -/WILSON, ET AL, 3/89 *AMERICAN CERAMIC SOCIETY ANNUAL MEETING
E-148	UCRL-100395 PREPRINT	WASTE PACKAGE PERFORMANCE ASSESSMENT FOR THE YUCCA MOUNTAIN PROJECT -/O'CONNELL, ET AL *WASTE MANAGEMENT'89, TUCSON, AZ, 2/26-3/2/89
E-149	UCRL-100554	CHEMICAL THERMODYNAMICS OF TECHNETIUM, 2/89 -/RARD *PREPARED FOR BOOK: CHEMICAL THERMODYNAMICS OF TECHNETIUM, NUCLEAR ENERGY AGENCY, PARIS, FRANCE
E-142	UCRL-100563 PREPRINT	INTERPRETING QUALITY ASSURANCE REQUIREMENTS FROM A PROJECT MANAGEMENT PERSPECTIVE -/DRONKERS, ET AL (for ASQC 4/2-5/89, LV, NV)
E-155	UCRL-100603 PREPRINT	EVALUATION OF THE POST-EMPLACEMENT ENVIRONMENT OF HIGH LEVEL RADIOACTIVE WASTE PACKAGES AT YUCCA MOUNTAIN, NV -/GLASSLEY, 3/89 *WASTE MANAGEMENT 89' SYMPOSIA
E-178	UCRL-100624	LABORATORY STUDY OF FRACTURE HEALING IN TOPOPAH SPRING TUFF - IMPLICATIONS FOR NEAR FIELD HYDROLOGY, 9/89 -/LIN ET AL *FOCUS '89 - NUCLEAR WASTE ISOLATION IN THE UNSATURATED ZONE, LAS VEGAS, NV, 9/18/89
E-165	UCRL-100777 PREPRINT	ON THE INFILTRATION OF A LIQUID FRONT IN AN UNSATURATED, FRACTURED POROUS MEDIUM -/NITAO, ET AL, 8/89 *FOR FOCUS '89 NUCLEAR WASTE ISOLATION IN UNSATURATED ZONES, LAS VEGAS, NV 9/18-21/89

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CURRENT STATUS OF WASTE PACKAGE DESIGNS FOR THE YUCCA MOUNTAIN PROJECT
-/BALLOU, 7/89
*FOR INSTITUTE OF NUCLEAR MATERIALS MANAGEMENT 30TH ANNUAL MEETING, ORLANDO, FL, 7/9-12/89

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STATISTICAL MODEL FOR GRAIN BOUNDARY AND GRAIN VOLUME OXIDATION KINETICS IN UO_2 SPENT FUEL
-/R. B. STOUT, ET AL, UNIV. OF CA; R. E. EINZIGER, BATTELLE, 9/89

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A DEFORMATION AND THERMODYNAMIC MODEL FOR HYDRIDE PRECIPITATION KINETICS IN SPENT FUEL CLADDING
-/STOUT, 10/89
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-/KNAPP, 9/89
*FOR MATERIALS RESEARCH SOCIETY, BOSTON, 9/27-30/89

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EVALUATION OF COPPER, ALUMINUM BRONZE, AND COPPER-NICKEL FOR YMP CONTAINER MATERIAL
-/KASS, 5/89
*FOR WORKSHOP ON WASTE CONTAINER CORROSION, WINIPEG, CANADA, 2/88

E-179 UCRL-101107
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-/BOURCIER, ET AL, 11/89
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E-156	UCRL-101285 PREPRINT	A KINETIC MODEL FOR DISSOLUTION OF BOROSILICATE GLASS -/BOURCIER, ET AL, 6/89 *6TH INTERNATIONAL SYMPOSIUM ON WATER-ROCK INTERACTION
E-157	UCRL-101615 PREPRINT	PROTOTYPE ENGINEERED BARRIER SYSTEM FIELD TESTS PROGRESS REPORT -/RAMIREZ, ET AL, 7/89 *FOCUS '89 NUCLEAR WASTE ISOLATION IN UNSATURATED ZONE
E-167	UCRL-101865 PREPRINT	HIGH FREQUENCY ELECTROMAGNETIC TOMOGRAPHY -/DAILY, ET AL *FOR NUCLEAR WASTE ISOLATION IN THE UNSATURATED ZONE, LAS VEGAS, NV, 9/18-21/89
E-180	UCRL-101866	MICROWAVE MEASUREMENTS OF WATER VAPOR PARTIAL PRESSURE AT TEMPERATURES UP TO 350 C, 9/89 -/LATORRE *FOCUS '89 NUCLEAR WASTE ISOLATION IN THE UNSATURATED ZONE, LAS VEGAS, NV, 9/18-21/89
E-168	UCRL-102049 PREPRINT	CALIBRATION OF A HIGH FREQUENCY ELECTROMAGNETIC MEASUREMENT SYSTEM USED IN GEOPHYSICS -/DAILY *FOR IEEE GEOSCIENCE & REMOTE SENSING JOURNAL, 6/89
E-181	UCRL-102114	STATUS OF INTEGRATED PERFORMANCE ASSESSMENT OF THE WASTE PACKAGES AND ENGINEERED BARRIER SYSTEM, 1/90 -/O'CONNELL *INTERNATIONAL HIGH-LEVEL RADIOACTIVE WASTE MANAGEMENT CONFERENCE, LAS VEGAS, NV, 4/8-12/90
E-175	UCRL-102127	LABORATORY DETERMINED SUCTION POTENTIAL OF TOPOPAH SPRING TUFF -/DAILY, ET AL *FOR WATER RESOURCES RESEARCH, 8/89

E-174	UCRL-102285 PREPRINT	SELECTION CRITERIA FOR CONTAINER MATERIALS AT THE PROPOSED YUCCA MOUNTAIN HIGH LEVEL NUCLEAR WASTE REPOSITORY -/HALSEY, 11/89
E-182	UCRL-102597	CORROSION PRODUCT IDENTIFICATION AND RELATIVE RATES OF CORROSION OF CANDIDATE METALS IN AN IRRADIATED AIR-STEAM ENVIRONMENT, 11/3/89 -/REED, ET AL *MATERIALS RESEARCH SOCIETY SYMPOSIUM ON THE SCIENTIFIC BASIS FOR NUCLEAR WASTE MANAGEMENT, BOSTON, MA, 11/27-12/2/89
E-183	UCRL-102708	CHEMICAL THERMODYNAMICS OF TECHNETIUM II -/RARD, 11/89 *CHEMICAL THERMODYNAMICS OF TECHNETIUM (TO BE PUBLISHED BY THE NUCLER ENERGY AGENCY, PARIS, FRANCE)
E-150	UCRL-21060-87-1	NNHSI WASTE FORM TESTING AT ARGONNE NATIONAL LABORATORY, SEMIANNUAL REPORT, JAN - JUNE, 1987
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E-161	UCRL-21076 P.O.637805	ELECTROCHEMICAL CORROSION STUDIES ON COPPER-BASE WASTE PACKAGE CONTAINER MATERIALS IN UNIRRADIATED 0.1 $NaNO_3$ AT 95°C -/AKKAYA, 5/88 *UNIVERSITY OF FLORIDA

31 YMP Project Baseline Document (USDOE)
- Identification of Items Important to Waste Isolation (List generated by application of AP-6.8Q) - YMP/CM-0004
- Candidate List of Items and Activities Subject to the Quality Level Assignment Process (List generated by application of AP-6.9Q) - YMP/CM-0005
- Identification of Items Important to Safety (List generated by application of AP-6.10Q) - YMP/CM-0003
- Identification of Activities to be Placed on the Quality Activities List (List generated by application of AP-6.11Q) - YMP/CM-0002

32 YMP Configuration Management Plan (YMP/88-4, 1/89, USDOE)

36 TAR GEOLOGIC AND GEOPHYSICAL EVIDENCE PERTAINING TO STRUCTURAL GEOLOGY... (YMP/90-2)

49 YMP Exploratory Shaft Facility (ESF) Subsystem Design Requirements Document (SDRD) For Title II, (YMP/CC-0003, Vol. 1, 2 (USDOE)

52 YMP Reference Information Base (YMP/CC-0002, USDOE)

55 YMP Review Record Memorandum - Exploratory Shaft Facility (ESF) Title I Design Acceptability Analysis and Comparative Evaluation of Alternative ESF Locations (4 Vols., 2/3/89, YMP/89-3, USDOE)

105 NNWSI Project Systems Engineering Management Plan (NNWSI/88-3, 7/88, USDOE)

152 YMP Administrative Procedures Manual (2 Vols., YMP/APM-1, USDOE)

192 YMP Work Breakdown Structure Index and Dictionary (YMP/CC-0001, USDOE)

JOHN W. GILRAY

Assigned Number

15 YMP Project Quality Lists, Project Baseline Document (YMP/CM-0004,0005,0003,0002)

22 YMP Quality Management Procedures (WMPO/88-1)

36 NNWSI Project Quality Assurance Plan (NNWSI/88-9)

71 T&MSS Quality Assurance Program Description (SAIC 90-8002)

70 Records Management Plan (NNWSI/88-15)

92 YMP Administrative Procedures Manual (YMP/APM-1)

190 YMP Work Breakdown Structure Index and Dictionary (YMP/CC-0001)

LABS (*Uncontrolled)

33 F&S Project Procedures Manual
52 F&S Design Control Procedures Manual - Exploratory Shaft Facility
53 F&S Quality Assurance Manual, YMP

56 H&N Quality Assurance Program Plan, YMP (HN-10471-1131)

99 LLNL Quality Procedures Manual, YMP
99 LLNL Quality Assurance Program Plan, YMP
156 LLNL Technical Implementing Procedures Manual, YMP

54 REECo Quality Assurance Plan for the YMP; Quality Assurance Procedures

No # LANL YMP Quality Assurance (*)
No # SNL Department Operating Procedures (DOPs)
No # SNL Quality Assurance Procedures; Quality Assurance Program Plan
No # USGS Quality Assurance Program Plan

UNCONTROLLED DOCUMENTS

P. T. PRESTHOLT'S OFFICE or *CONFERENCE ROOM
- (Miscellaneous Notebooks)

Code of Federal Regulations, Part 0-50, 51-199, 400-499, 500-End

Conceptual Considerations of the Yucca Mountain Groundwater System With Special Emphasis on the Adequacy of this System to Accommodate a High-Level Nuclear Waste Repository (Szymanski) (3 volumes)

*Environmental Assessment, Yucca Mountain Site, Nevada Research and Development Area, Nevada, 3 Vols., Nuclear Waste Policy Act, DOE/RW-0073 + Overview, DOE RW-0079, 5/86

NRC Review Plan for QA Programs During the Site Characterization Phase of the High-Level Nuclear Waste Repository

NRC Staff Review of DOE's 1/8/88 Consultation Draft Site Characterization Plan for the Yucca Mountain Site - Final Point Papers - May 11, 1988 (Notebook; also NUREG 1347)

NRC Staff Site Characterization Analysis of the Department of Energy's Site Characterization Plan, Yucca Mountain Site, Nevada, 7/89

*Radiological Monitoring Plan for the NNWSI Project, 2 Vols. DOE/NV-10576-6, Saic-87/8000, 3/88)

*Reprints from Public Laws (P.L. 97-425, 1/7/83; Title V of P.L. 100-203, 12/22/87; P.L. 100-507, 10/18/88) USDOE

RED BINDERS IN PTP'S OFFICE

Allegations (Letter 1-27, MC 0517)

Coyote Wash TAR Report (Draft)

Conceptual Considerations of the Yucca Mountain Groundwater System with Special Emphasis on the Adequacy of this System to Accommodate a High Level Nuclear Waste Repository - J.L. Szymanski, 7/89

Disposal of High-Level Radioactive Wastes in Geologic Repositories, Rules and Regulations, Title 10, Chapter 1, Code of Federal Regulations - Energy, Part 60

Division of High-Level Waste Management Work Plan for the Development of Staff Technical Positions

EEI SCP Comments

First Report to The U.S. Congress and The U.S. Secretary of Energy, from the NWTRB, 3/90

First Update of the Regulatory Strategy and Schedules for the High-Level Waste Repository Program - (Policy Issue, (Info)

Geophysics

"G" Tunnel

Hydro Field Trip, 7/24-27/89

Implementation of the U.S. Environmental Protection Agency's High-Level Waste Disposal Standards (SECY 89-319)

I. P. Anomaly, Coyote Wash

Methods of Evaluating the Seismic Hazard at a Geologic Repository (Public Comment Draft 6/89)

Natural Resource Assessment Methodologies for the Proposed High-Level Waste Repository at Yucca Mountain, Nye County, Nevada (R.G. Raney, N. Wetzel, US Dept. of Interior, Bureau of Mines, 3/1/90)

NRC-DOE Technical Exchange on Data Management, 1/9/90, Rockville

Phase 1 Demonstration of the Nuclear Regulatory Commission's Capability to Conduct a Performance Assessment for a HLW Repository - Final Draft, 4/20/90

Prototype Drilling

Reducing the Risks (Arjun Makhijani, Institute for Energy and Environmental Research)

Regulatory Strategy for the High-Level Waste Repository Program: Description of Uncertainties Being Addressed by the U.S. Nuclear Regulatory Commission Staff (SECY 89-339)

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