



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

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TO: Anne Garcia, HLPD, M/S 4 H 3
FROM: Nancy J. White, Secretary to Sr. On-Site Licensing
Representatives, Las Vegas, NV
DATE: January 31, 1991
SUBJECT: LIBRARY UPDATE

Please find enclosed an update for the notebook you
have for reference regarding the content of the Las Vegas
library.

cc: John Russell, Center

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PDR WASTE PDR
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DWC - LAWRENCE LIVERMORE NATIONAL LABORATORY PUBLISHED
ON FILE AT LV

- E-162 UCRL-100172 REVIEW OF MODELS RELEVANT TO THE PREDICTION OF
PREPRINT 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-193 UCRL-100212 ZIRCALOY CLADDING DEGRADATION UNDER
PREPRINT REPOSITORY CONDITIONS, 12/90
-/LAKSHMAN SANTANAM, ET AL
*AUBURN UNIV. & LLNL
- E-154 UCRL-100223 STUDIES ON SPENT FUEL DISSOLUTION BEHAVIOR
PREPRINT UNDER YUCCA MOUNTAIN REPOSITORY CONDITIONS
-/WILSON, ET AL, 3/89
*AMERICAN CERAMIC SOCIETY ANNUAL MEETING
- E-148 UCRL-100395 WASTE PACKAGE PERFORMANCE ASSESSMENT FOR THE
PREPRINT 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 INTERPRETING QUALITY ASSURANCE REQUIREMENTS
PREPRINT FROM A PROJECT MANAGEMENT PERSPECTIVE
-/DRONKERS, ET AL (for ASQC 4/2-5/89, LV, NV)
- E-155 UCRL-100603 EVALUATION OF THE POST-EMPLACEMENT ENVIRONMENT
PREPRINT 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 ON THE INFILTRATION OF A LIQUID FRONT IN AN
PREPRINT 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

DWS - LAWRENCE LIVERMORE NATIONAL LABORATORY PUBLICATIONS
ON FILE AT LV

- E-156 UCRL-101285 A KINETIC MODEL FOR DISSOLUTION OF BOROSILICATE
PREPRINT GLASS
-/BOURCIER, ET AL, 6/89
*6TH INTERNATIONAL SYMPOSIUM ON WATER-ROCK
INTERACTION
- E-194 UCRL-101323 IN-SITU OBSERVATION OF THE ALPHA/BETA
CRISTOBALITE TRANSITION USING HIGH VOLTAGE
ELECTRON MICROSCOPY, 10/89
-/MEIKE, ET AL
*MATERIALS RESEARCH SOCIETY, 11/27-30/89
- E-157 UCRL-101615 PROTOTYPE ENGINEERED BARRIER SYSTEM FIELD TESTS
PREPRINT PROGRESS REPORT
-/RAMIREZ, ET AL, 7/89
*FOCUS '89 NUCLEAR WASTE ISOLATION IN
UNSATURATED ZONE
- E-167 UCRL-101865 HIGH FREQUENCY ELECTROMAGNETIC TOMOGRAPHY
PREPRINT -/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 CALIBRATION OF A HIGH FREQUENCY ELECTROMAGNETIC
PREPRINT 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-187 UCRL-102115 PRECLOSURE SAFETY ANALYSIS FOR A PROSPECTIVE
YUCCA MOUNTAIN CONCEPTUAL DESIGN REPOSITORY
-/MA & JARDINE
*BECHTEL AND LLNL
- E-185 UCRL-102116 THE USE OF PERFORMANCE ASSESSMENTS IN YUCCA
MOUNTAIN REPOSITORY WASTE PACKAGE DESIGN
ACTIVITIES
-/JARDINE, 1/90
*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 SELECTION CRITERIA FOR CONTAINER MATERIALS AT
PREPRINT 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 NUCLEAR ENERGY AGENCY, PARIS,
FRANCE)
- E-150 UCRL-21060-87-1 NNHSI WASTE FORM TESTING AT ARGONNE
NATIONAL LABORATORY, SEMIANNUAL REPORT,
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UCRL-21060-87-2 JULY-DECEMBER 1987
- E-161 UCRL-21076 ELECTROCHEMICAL CORROSION STUDIES ON
P.O.637805 COPPER-BASE WASTE PACKAGE CONTAINER MATERIALS
IN UNIRRADIATED 0.1 NaNO₃ AT 95°C
-/AKKAYA, 5/88
*UNIVERSITY OF FLORIDA

- E-191 UCRL-103138 CALIBRATION OF ELECTRICAL IMPEDANCE TOMOGRAPHY
(JC) FOR IMAGING OF ROCK CORE SAMPLES
-/OWEN, ET AL (FOR LOG ANALYST), 11/90
- E-192 UCRL-103728 CHEMICAL THERMODYNAMICS OF TECHNETIUM 111
-/RARD, 3/90
- E-190 UCRL-ID-103534 THERMAL CALCULATIONS PERTAINING TO A
PROPOSED YUCCA MOUNTAIN NUCLEAR WASTE
REPOSITORY, 2/90
-/JOHNSON, ET AL

- B-57 WPR-86(6810-01)-01 DEMONSTRATION OF METHODOLOGY FOR WASTE
PACKAGE PERFORMANCE ASSESSMENT, BY AEROSPACE
CORP. WA. D.C. 9/86
- B-39 MAP 68 GOLDFIELD AND MARIPOSA SHEETS. 1980
*NEVADA BUREAU OF MINES AND GEOLOGY
-/HEALEY, ET AL
- B-40 MAP 69 DEATH VALLEY SHEET, 1980
*NEVADA BUREAU OF MINES AND GEOLOGY
-/HEALEY, ET AL
- B-41 MAP 70 CALIENTE SHEET, 1981
*NEVADA BUREAU OF MINES AND GEOLOGY
-/HEALEY, ET AL
- B-50 MAP I-1519 GEOLOGIC MAP OF THE JACKASS FLATS AREA, NYE
COUNTY, NEVADA
-/MALDONADO (IN COOPERATION WITH DOE)
- B-48 MEMO INTEGRATED DESIGN INSPECTION 50-400/84-48,
DATED APRIL 15, 1985 (TO CAROLINA POWER AND
LIGHT COMPANY FROM NRC, PREPARED BY JAMES M.
TAYLOR, DIRECTOR, OFFICE OF INSPECTION AND
ENFORCEMENT)
- B-55 MISCELLANEOUS 1) Firm brings innovation to Great Basin
ARTICLES Reprinted from Western Oil World, 8/86
 by Will Keener
 2) EXPLORATION: New Paleozoic play in East
 Great Basin, Oil & Gas Jrnl, 9/22/86,
 by Alan K. Chamberlain
 3) QUALITY LEADERSHIP AND CHANGE, by
 Kanter (Fortune Forum II)
 4) NUCLEAR IMPERATIVES AND PUBLIC TRUST:
 DEALING WITH RADIOACTIVE WASTE, by Luther
 J. Carter, Book to be published, 1987
 5) A REPORTER AT LARGE (Yucca Mountain), May
 23, 1988, New Yorker
 6) THE YUCCA MOUNTAIN PROJECT: ANOTHER
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C-156 SAND88-2784 HYDROLOGIC TECHNICAL CORRESPONDENCE IN SUPPORT OF THE SITE CHARACTERIZATION PLAN
-/PETERS, 12/88

C-163 SAND88-2785 PRELIMINARY ANALYSES IN SUPPORT OF IN SITU THERMOMECHANICAL INVESTIGATIONS
-/BAUER, ET AL

C-155 SAND88-2936 TECHNICAL CORRESPONDENCE IN SUPPORT OF AN EVALUATION OF THE HYDROLOGIC EFFECTS OF EXPLORATORY SHAFT FACILITY CONSTRUCTION AT YUCCA MOUNTAIN
-/PETERSON, ET AL, 12/88

C-169 SAND-88-2997 A VAX/VMS MAPPED SECTION/VIRTUAL MEMORY UTILITY PACKAGE
-/YARRINGTON, 2/90

C-187 SAND-88-3033 TWO-DIMENSIONAL VELOCITY MODELS FOR PATHS FROM PAHUTE MESA AND YUCCA FLAT TO YUCCA MOUNTAIN, 11/90
-/WALCK, ET AL

C-173 SAND-88-7060 PRELIMINARY SHAFT LINER DESIGN CRITERIA AND METHODOLOGY GUIDE
-/RICHARDSON, 4/90 (PARSONS BRINCKERHOFF QUADE & DOUGLAS, INC.

C-170 SAND-89-0011 STUDIES OF COMPUTATIONAL MODELS FOR JOINTED MEDIA WITH ORTHOGONAL SETS OF JOINTS
-/KOTERAS, 3/90

C-183 SAND89-0652 ON CONDITIONS AND PARAMETERS IMPORTANT TO MODEL SENSITIVITY FOR UNSATURATED FLOW THROUGH LAYERED, FRACTURED TUFF: RESULTS OF ANALYSES FOR HYDROCOIN LEVEL 3 CASE 2, 10/90
-/PRINDLE, ET AL

C-176 SAND-89-0757 THERMAL AND MECHANICAL CODES FIRST BENCHMARK EXERCISE, PART II: ELASTIC ANALYSIS
-/BAUER, ET AL, 6/90

C-184 SAND89-7009 ALTERNATIVE CONFIGURATIONS FOR THE WASTE-HANDLING BUILDING AT THE YUCCA MOUNTAIN REPOSITORY, 8/90
*BECHTEL NATIONAL, INC.

- D-102 OPEN-FILE REPORT REGIONAL INCREASE IN GROUNDWATER
85-290, 1985 DISCHARGE AFTER THE 1983 IDAHO
(Szymanski reference) EARTHQUAKE: COSEISMIC STRAIN RELEASE,
TECTONIC AND NATURAL HYDRAULIC FRACTURING
-WOOD
- D-143 OPEN FILE REPORT GEOHYDROLOGIC DATA FROM TEST HOLE USW
88-465, 1990 UZ-7, YUCCA MOUNTAIN AREA, NYE COUNTY,
NEVADA
-/KUME, ET AL
- D-125 OPEN-FILE REPORT WATER LEVELS IN PERIODICALLY MEASURED
88-468 WELLS IN THE YUCCA MOUNTAIN AREA, NV
& D-140 90-113 1981-87; -/ROBISON, ET AL
1988; -/GEMMELL
- D-145 OPEN-FILE REPORT HYDROGEOLOGIC INFERENCES FROM DRILLERS'
89-234 LOGS AND FROM GRAVITY AND RESISTIVITY
SURVEYS IN THE AMARGOSA DESERT, SOUTHERN
NEVADA
-/OATFIELD, ET AL
- D-144 OPEN-FILE REPORT HYDROLOGIC, METEOROLOGICAL & UNSATURATED
89-595 ZONE MOISTURE-CONTENT DATA, FRANKLIN
LAKE PLAYA, INYO CNTY, CA 1990
-/CZARNECKI
- D-150 OPEN-FILE REPORT GEOHYDROLOGY AND EVAPOTRANSPIRATION AT
90-356 FRANKLIN LAKE PLAYA, INYO COUNTY, CA
-/CZARNECKI, 1990
- D-153 OPEN-FILE REPORT DRILLING AND GEOHYDROLOGIC DATA FOR TEST
90-354 HOLE USW UZ-1, YUCCA MOUNTAIN, NYE
COUNTY, NEVADA
-/WHITFIELD, ET AL, 1990
- D-114 TEI-838 CHEMISTRY AND MOVEMENT OF GROUND WATER,
(Szymanski reference) NEVADA TEST SITE
-/SCHOFF, ET AL
- D-98 TEI-862 PERCHED GROUND WATER IN (Szymanski
reference) ZEOLITIZED-BEDDED TUFF, RAINIER MESA AND
VICINITY, NEVADA TEST SITE, NEVADA
-/THORDARSON
- D-3 USGS-82-220 A WORKSHOP ON "PREPARING FOR AND
Conference XV RESPONDING TO A DAMAGING EARTHQUAKE IN
THE EASTERN UNITED STATES", 9/16-18/81
-/KITZMILLER, ET AL
- D-97 USGS-474-85 WELLS AND SPRINGS IN CALIFORNIA AND
(Szymanski reference) NEVADA WITHIN 100 MILES OF THE POINT
37°15' N., 116°25' W., ON NEVADA TEST
SITE
-/THORDARSON, ET AL

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Reducing the Risks (Arjun Makhijani, Institute for Energy and
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Regulatory Strategy for the High-Level Waste Repository Program:
Description of Uncertainties Being Addressed by the U.S.
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Rethinking High-Level Radioactive Waste Disposal (A Position
Statement of the Board on Radioactive Waste Management,
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