

February 8, 1996

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Dr. Stephan J. Brocoun, Assistant Manager  
for Suitability and Licensing  
U.S. Department of Energy  
Office of Civilian Radioactive  
Waste Management  
Yucca Mountain Project Office  
P. O. Box 98606  
Las Vegas, NV 89101

Dear Dr. Brocoun:

I am requesting two (2) copies each of the documents on the enclosed list be sent to me for use in our on-going review of the Yucca Mountain site and the exploratory studies facility design data. These were extracted from the Department of Energy's Quarterly Data Catalogues.

Thank you for your prompt attention to this request.

Sincerely,

/S/ RAW for  
Michael J. Bell, Chief  
Engineering and Geosciences Branch  
Division of Waste Management  
Office of Nuclear Material Safety  
and Safeguards

Enclosure: As stated

cc: R. Loux, State of Nevada  
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## **REQUEST FOR INFORMATION**

- SNL01C12159302.001 DATA REPORT SUMMARIZING LABORATORY MEASUREMENTS OF HEAT CAPACITY FOR BOREHOLES USW NRG-4 AND NRG-5 DATED OCTOBER 18, 1995.**
- SNL03042594001.001 AVERAGE GRAIN DENSITY FOR THERMAL PROPERTIES TEST SAMPLES FROM BOREHOLES USW G-1, USW G-2, USW GU-3, & USW G-4.**
- SNL03042594001.002 AVERAGE GRAIN DENSITY FOR THERMAL PROPERTIES TEST SAMPLES FROM BOREHOLES UE25 NRG-4, UE25 NRG-5, & USW NRG-6.**
- SNL03042594001.003 AVERAGE GRAIN DENSITY FOR THERMAL PROPERTIES TEST SAMPLES FROM BOREHOLES UE25 NRG-7/7A.**
- SNL03042594001.004 AVERAGE GRAIN DENSITY FOR THERMAL PROPERTIES TEST SAMPLES FROM BOREHOLES USW G-2 & USW G-4.**
- SNL01A05059301.003 LABORATORY THERMAL CONDUCTIVITY DATA FOR BOREHOLES UE25 NRG-4, NRG-5; USW NRG-6 AND NRG-7/7A. (NOTE: THE NRG-6 DATA ONLY IS THE SAME AS THAT PREVIOUSLY IDENTIFIED BY DTN: SNL01A05059301.002).**
- SNL01A05059301.004 PROGRESS REPORT, DATED 8/24/95, SUMMARIZING ACTIVITIES ASSOCIATED WITH LABORATORY THERMAL TESTING OF THERMAL CONDUCTIVITY AND THERMAL EXPANSION.**
- SNL01A07019101.001 THERMAL CONDUCTIVITY DATA AT DIFFERENT SATURATIONS AND TEMPERATURES FOR WELDED DEVITRIFIED AND NON-WELDED ZEOLITIC TUFFS FROM YUCCA MOUNTAIN.**
- SNL01B05059301.005 LABORATORY THERMAL EXPANSION DATA FOR BOREHOLES UE25 NRG-4, NRG-5; USW NRG-6 AND NRG-7/7A. THIS DATA SUPERSEDES DATA PREVIOUSLY IDENTIFIED BY DTN'S: SNL01B05059301.003 AND SNL01B05059301.004, WHICH WERE FOR BOREHOLE USW NRG-6 ONLY. THIS DATASET ALSO INCLUDES ADDITIONAL BOREHOLE DATA, AS LISTED.**
- SNL01B05289301.001 THERMAL EXPANSION CURVES FOR THE STUDY ON THE EFFECTS OF SAMPLE SIZE ON THERMAL EXPANSION BEHAVIOR.**
- SNL01B06189301.001 THERMAL EXPANSION CURVES FOR THE STUDY ON THE EFFECTS OF SAMPLE SATURATION ON THERMAL EXPANSION BEHAVIOR.**

- SNL02030193001.014 MECHANICAL PROPERTIES DATA (GRAIN DENSITY, POROSITY, UNCONFINED STRENGTH, ELASTIC PROPERTIES, & INDIRECT TENSILE STRENGTH) FOR DRILLHOLE UE25 NRG-4 SAMPLES FROM DEPTH 378.1 FT. TO 695.8 FT.**
- SNL02030193001.015 MECHANICAL PROPERTIES DATA (ULTRASONIC VELOCITIES, STATIC ELASTIC PROPERTIES, TRIAXIAL STRENGTH, DRY BULK DENSITY, & POROSITY) FOR DRILLHOLE UE25 NRG-4 SAMPLES FROM DEPTH 527.0 FT.**
- SNL02030193001.016 MECHANICAL PROPERTIES DATA (ULTRASONIC VELOCITIES, STATIC ELASTIC PROPERTIES, & UNCONFINED STRENGTH) FOR DRILLHOLE USW NRG-7/7A SAMPLES FROM DEPTH 18.0 FT. TO 472.9 FT.**
- SNL02030193001.017 MECHANICAL PROPERTIES DATA (TENSILE STRENGTH, AVERAGE GRAIN DENSITY, & POROSITY) FOR DRILLHOLE USW NRG-7/7A SAMPLES FROM DEPTH 18.0 FT. TO 495.0 FT.**
- SNL02030193001.018 MECHANICAL PROPERTIES DATA (ULTRASONIC VELOCITIES, STATIC ELASTIC PROPERTIES, TRIAXIAL STRENGTH, DRY BULK DENSITY & POROSITY) FOR DRILLHOLE USW NRG-7/7A SAMPLES FROM DEPTH 344.4 FT.**
- SNL02030193001.019 MECHANICAL PROPERTIES DATA (GRAIN DENSITY, POROSITY, UNCONFINED STRENGTH, CONFINED STRENGTH, ELASTIC PROPERTIES, AND INDIRECT TENSILE STRENGTH) FOR DRILLHOLE USW NRG-7/7A SAMPLES FROM DEPTH 507.4 FT. TO 881.0 FT.**
- SNL02030193001.020 MECHANICAL PROPERTIES DATA (ULTRASONIC VELOCITIES, STATIC ELASTIC PROPERTIES, UNCONFINED STRENGTH, TRIAXIAL STRENGTH, DRY BULK DENSITY & POROSITY) FOR DRILLHOLE USW NRG-7/7A SAMPLES FROM DEPTH 554.7 FT. TO 1450.1 FT.**
- SNL02030193001.021 MECHANICAL PROPERTIES DATA (ULTRASONIC VELOCITIES, STATIC ELASTIC PROPERTIES, TRIAXIAL STRENGTH, DRY BULK DENSITY & POROSITY) FOR DRILLHOLE USW NRG-7/7A SAMPLES FROM DEPTH 345.0 FT. TO 1408.6 FT.**
- SNL02030193001.022 MECHANICAL PROPERTIES DATA (ULTRASONIC VELOCITIES, STATIC ELASTIC PROPERTIES, TRIAXIAL STRENGTH, DRY BULK DENSITY & POROSITY) FOR DRILLHOLE USW NRG-6 SAMPLES FROM DEPTH 5.7 FT. TO 1092.3 FT.**
- SNL02030193001.023 MECHANICAL PROPERTIES DATA (ULTRASONIC VELOCITIES, STATIC ELASTIC PROPERTIES, UNCONFINED STRENGTH, TRIAXIAL STRENGTH, DRY BULK DENSITY & POROSITY) FOR DRILLHOLE USW SD-12 SAMPLES FROM DEPTH 16.1 FT. TO 1300.3 FT.**

**SNL02030193001.024 MECHANICAL PROPERTIES DATA - ELEVATED TEMPERATURE CONFINED COMPRESSION TESTS (ULTRASONIC VELOCITIES, STATIC ELASTIC PROPERTIES, UNCONFINED STRENGTH, TRIAXIAL STRENGTH, DRY BULK DENSITY & POROSITY) FOR DRILLHOLE USW SD-9 SAMPLES FROM DEPTH 52.6 FT. TO 2222.9 FT.**

**SNL02030193001.025 MECHANICAL PROPERTIES DATA**

**SNL02112293001.004 RESULTS FROM SHEAR STRESS EXPERIMENTS ON NATURAL FRACTURES FROM USW SD-9.**

**SNL02112293001.002 RESULTS FROM SHEAR STRESS EXPERIMENTS ON NATURAL FRACTURES FROM NRG-7.**

**SNL02112293001.003 RESULTS FROM SHEAR STRESS EXPERIMENTS ON NATURAL FRACTURES FROM NRG-4 & NRG-6.**

**SNF31120393001.004 ASSESSMENT OF BLASTING DAMAGE - ALCOVE NO. 2 OF THE EXPLORATORY STUDIES FACILITY, REV. 0.**

**SNF32120393001.001 ROCK MASS QUALITY DATA FOR THE NRT STATIONS 60 TO 475 METERS.**

**SNF32120393001.002 ROCK MASS QUALITY DATA FOR THE NRT STATIONS**

**SNF32120393001.003 ROCK MASS QUALITY DATA FOR THE NRT STATIONS 530 TO 600 METERS**

**SNF32120393001.004 ROCK MASS QUALITY DATA FOR THE NRT STATIONS 600 TO 655 METERS**

**SNF32120393001.005 ROCK MASS QUALITY DATA FOR THE NRT STATIONS 655 TO 705 METERS**

**SNF32120393001.006 ROCK MASS QUALITY DATA FOR THE NRT STATIONS**

**SNF32120393001.007 ROCK MASS QUALITY DATA FOR THE NRT STATIONS 767 - 950 METERS REV. 0**

**SNF32120393001.008 ROCK MASS QUALITY DATA FOR THE NORTH RAMP TUNNEL STATIONS 950 TO 1065 METERS, REV. 0**

**SNF32120393001.009 ROCK MASS QUALITY DATA FOR THE NRT STATIONS 1065 TO 1155 METERS**

SNF32120393001.010 ROCK BOLT LOAD CELL (RBLC), INSTRUMENTED ROCK BOLT (IRB), AND MULTI-POINT BOREHOLE EXTENSOMETER (MPBX) DATA FOR THE NORTH RAMP STARTER TUNNEL (NRST) AND ALCOVE 1 FOR THE PERIOD JUNE, 1993 TO JUNE, 1995

SNF28021693001.004 ANALYSIS OF BLASTING DATA FROM THE NORTH RAMP STARTER TUNNEL - TOP HEADING

SNF28021693001.005 ROCK MASS QUALITY ASSESSMENTS IN THE NORTH RAMP STARTER TUNNEL - TOP HEADING, BENCH AND ALCOVE 1. THIS DATA SUPERSEDES DATA PREVIOUSLY IDENTIFIED AS DTN: SNF28021693001.001.

SNF28021693001.006 MAP OF FIBERCRETE SURFACE CRACKS - NORTH RAMP STARTER TUNNEL

SNF28021693001.007 BLAST MONITORING DATA - NORTH RAMP STARTER TUNNEL, TOP HEADING AND ALCOVE NUMBER 1

SNF28021693001.008 NORTH RAMP STARTER TUNNEL BOREHOLE PRESSURE CELL DATA COLLECTED DURING TBM MINE-BY

SNF31120393001.001 ANALYSIS OF BLASTING DATA FROM THE NORTH RAMP STARTER TUNNEL: ALCOVE-1 NEAR-FIELD BLAST PROJECT.

SNF31120393001.002 ROCK MASS QUALITY DATA FOR THE NORTH RAMP TUNNEL STATION 00+60 METERS TO 1+55 METERS, REV. 1

SNF31120393001.003 NORTH RAMP ALCOVE #2 FAR-FIELD BLAST MONITORING DATA, REVISION 0

SNF31120393001.005 ROCK MASS QUALITY DATA FOR THE NORTH RAMP TUNNEL STATIONS 13+30 TO 18+50 METERS, REV. 0.

SNF31120393001.006 NORTH RAMP ALCOVE #2 NEAR-FIELD BLAST MONITORING DATA, REV. 0

SNF28021693001.002 ROCK MASS CLASSIFICATION DATA FOR THE ALCOVE/NORTH RAMP STARTER TUNNEL.

SNF28021693001.003 ROCK MASS CLASSIFICATION RESULTS FOR THE ALCOVE/NORTH RAMP STARTER TUNNEL.

SNF32120393001.011 YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT NORTH RAMP STRAIN GAGE DATA FOR STEEL SET #5 (STA 63.09m) THROUGH SET #528 (STA 1123.39M).

- SNF32120393001.013 ROCK MASS QUALITY DATA FOR THE NORTH RAMP TUNNEL STATIONS 1155 TO 1330 METERS**
- SNF32120393001.015 ROCK BOLT LOAD CELL, INSTRUMENTED ROCK BOLT AND STEEL SET STRAIN GAGE DATA (THIS DATA SUPERSEDES DATA PREVIOUSLY IDENTIFIED BY DTN: SNF32120393001.012)**
- GS920508312231.010 COMPOSITE TRANSECT DATASET: INCLUDES REPRESENTATIVE SAMPLE RESULTS FROM SURFACE OUTCROP STUDIES WITH DATA ON POROSITY, BULK DENSITY, PARTICLE DENSITY AND SORPTIVITY, SATURATED HYDRAULIC CONDUCTIVITY AND MOISTURE RETENTION.**
- GS920708314221.002 FIELD OBSERVATIONS OF FRACTURES AND FIELD MEASUREMENTS OF ATTRIBUTES OF FRACTURES, 1/13/92-7/17/92, MAPS AT 1:240. GHOST DANCE FAULT, YUCCA MOUNTAIN, NEVADA**
- GS921008314221.006 FIELD OBSERVATIONS OF FRACTURES AND FIELD MEASUREMENTS OF ATTRIBUTES OF FRACTURES 7/18/92-9/30/92, MAPS AT 1:240, SOUTHERN PART OF GHOST DANCE FAULT, YUCCA MOUNTAIN, NEVADA**
- GS940108314221.001 FIELD OBSERVATIONS OF FRACTURES AND FIELD MEASUREMENTS COLLECTED 10/01/92 THROUGH 9/30/93 FOR ATTRIBUTES OF FRACTURES, MAPS AT 1:240, PORTION OF GHOST DANCE FAULT, YUCCA MOUNTAIN, NEVADA.**
- GS940508314221.005 GEOLOGIC AND FRACTURE MAPS FOR THE ARP-1 EXPOSURE AT YUCCA MOUNTAIN, NYE COUNTY, NEVADA, BY C.A. BRAUN, L.G. MARTIN, R.L. BLACKBURN, R.W. SPENGLER AND M.F. FAHY.**
- GS900908314222.001 FRACTURES IN OUTCROPS IN THE VICINITY OF DRILL HOLE USW G-4, YUCCA MOUNTAIN, NEVADA, DATA ANALYSIS AND COMPILATION, BY C.C. BARTON, W.R. PAGE, AND T.L. MORGAN.**
- GS910908314222.001 PAVEMENT 600 DATA CONSISTING OF THE FOLLOWING ITEMS: DRY MOUNTED, ENLARGED PHOTO OF PAVEMENT 600, ORIGINAL PAVEMENT MAP, DRAFTED MAP WITH FRACTURE LABELED, AND FIELD DATA SHEETS WITH FRACTURE DATA.**
- GS911108314223.005 EVALUATION AND COMPARISON BY STRATIGRAPHIC UNITS OF BOREHOLE FRACTURE ORIENTATIONS IN 14 WATER TABLE HOLES IN THE YUCCA MOUNTAIN AREA USING TELEVISION CAMERA DATA.**
- GS930408314224.002 DATA LOGS OF CHARACTERISTICS OF FRACTURES OR JOINTS AT NORTH RAMP PORTAL**

- GS930708314224.005 STERONET SCATTERPLOTS AND CONTOUR PLOTS FROM DETAILED LINE SURVEYS, NORTH RAMP, ESF.**
- GS931008314224.006 DETAILED LINE SURVEY DATA FOR EXPLORATORY STUDIES FACILITY, NORTH RAMP STARTER TUNNEL, RIGHT SLASH.**
- GS931008314224.007 FULL-PERIPHERY MAPS, NORTH RAMP OF THE EXPLORATORY STUDIES FACILITY, THROUGH OCTOBER, 1993.**
- GS940208314224.002 FULL PERIPHERY GEOLOGIC MAP: YUCCA MOUNTAIN PROJECT, EXPLORATORY STUDIES FACILITY, NORTH RAMP - STARTER TUNNEL, BY USGS AND USBR, STEVEN C. BEASON, PRINCIPAL INVESTIGATOR**
- GS940408314224.005 FULL PERIPHERY GEOLOGIC MAP FROM TEST ALCOVE #1 (DWG.NO.0A-46-172) COMPILED BY: S. BEASON**
- GS950308314224.001 FRACTURE DATA SHEETS - 6 GROUPS OF DETAILED LINE SURVEY DATA FOR EXPLORATORY STUDIES FACILITY, NORTH RAMP STARTER TUNNEL: PILOT BORE, BENCH CUTS, TEST ALCOVE #1, SLASH CUTS, DRAINAGE CUTS, AND PORTAL CUT.**
- GS950508314224.002 DETAILED LINE SURVEY FROM NORTH RAMP OF THE ESF, STATION 0 + 60 TO 4 + 00**
- GS950508314224.003 PROVISIONAL RESULTS: GEOTECHNICAL DATA - FULL PERIPHERY MAP DATA FROM NORTH RAMP OF THE EXPLORATORY STUDIES FACILITY, STATIONS 0+60**
- SNF29041993002.073 YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT ESTIMATED ROCK MASS QUALITY INDICES BASED ON CORE LOG DATA FOR BOREHOLE USW NRG-1/7A, 770-1510 FT, TSW2 UNIT, REV. 4 (THIS DATA SUPERSEDES DATA PREVIOUSLY IDENTIFIED BY DTN: SNF29041993002.047 FOR NRG-7/7A DATA ONLY)**
- GS930283114212.001 DYNAMIC MODULI FOR THE YMP NORTH PORTAL.**
- SNL01B05059301.001 THERMAL EXPANSION DATA MEAN COEFFICIENTS OF THERMAL EXPANSION (CTE'S), (MINIMUM AND MAXIMUM INSTANTANEOUS CTE, SAMPLE DIMENSIONS, SAMPLE VOLUME, PRE-TEST AND POST-TEST SAMPLE MASSES) FOR DRILLHOLE NRG-6, SAMPLES FROM DEPTH 28.8 TO 416.0 FEET, AMBIENT TO 100 DEG. C.**

- GS920983114220.002** DRILL HOLE UE-25 NRG-1 ROCK CORE TESTS: SPLITTING TENSILE STRENGTH OF INTACT ROCK CORE SPECIMENS, DIRECT SHEAR TEST RESULTS - OPEN JOINT SLIDING FRICTION, PULSE VELOCITIES AND ULTRASONIC ELASTIC CONSTANTS OF INTACT ROCK CORE TEST SPECIMENS, UNIAXIAL COMPRESSION AND ELASTIC PROPERTIES OF INTACT ROCK CORE TEST SPECIMENS.
- GS921283114220.006** PULSE VELOCITIES AND ULTRASONIC ELASTIC CONSTANTS OF INTACT ROCK CORE TEST SPECIMENTS. LAB TESTS OF PHYSICAL PROPERTIES, NORTH RAMP.
- GS921283114220.007** DIRECT SHEAR TEST RESULTS - INTACT ROCK AND SLIDING FRICTION. LAB TESTS OF MECHANICAL PROPERTIES.
- GS921283114220.008** UNIAXIAL COMPRESSION AND ELASTIC PROPERTIES OF INTACT ROCK CORE SPECIMENS. LAB TESTS OF MECHANICAL PROPERTIES, NORTH RAMP.
- GS921283114220.010** SPLITTING TENSILE STRENGTH OF INTACT ROCK CORE SPECIMENS. LAB TESTS OF PHYSICAL PROPERTIES, NORTH RAMP.
- GS921283114220.014** SOIL AND ROCK GEOTECHNICAL INVESTIGATIONS, FIELD AND LABORATORY STUDIES, NORTH RAMP SURFACE FACILITY, EXPLORATORY STUDIES FACILITY, YUCCA MOUNTAIN PROJECT, NEVEAD, BY MARK H. MCKEOWN AND STEVE C. BEASON
- SNL02030193001.012** MECHANICAL PROPERTIES DATA (ULTRASONIC VELOCITIES, STATIC ELASTIC PROPERTIES, & UNCONFINED STRENGTH) FOR DRILLHOLE UE25 NRG-5 SAMPLES FROM DEPTH 847.2 FT. TO 896.5 FT.
- SNL02030193001.013** MECHANICAL PROPERTIES DATA (ULTRASONIC VELOCITIES, STATIC ELASTIC PROPERTIES, UNCONFINED STRENGTH, TENSILE STRENGTH, & POROSITY) FOR DRILLHOLE UE25 NRG-2B SAMPLES FROM DEPTH 2.7 FT. TO 87.6 FT.
- SNF29041993002.010** SCHMIDT HAMMER TEST DATA FROM NRG DRILLHOLES CORE.
- SNF29041993002.024** SCHMIDT HAMMER TEST DATA FROM USW NRG-7/7A DRILLHOLE.
- SNL02030193001.002** MECHANICAL PROPERTIES DATA (ULTRASONIC VELOCITIES, STATIC ELASTIC PROPERTIES, UNCONFINED STRENGTH, TRIAXIAL STRENGTH, TENSILE STRENGTH, & AVERAGE GRAIN DENSITY) FOR DRILLHOLE USW NRG-6 SAMPLES FROM DEPTH 22.2 FT TO 427.0 FT.



- SNL02030193001.003 MECHANICAL PROPERTIES DATA (ULTRASONIC VELOCITIES, STATIC ELASTIC PROPERTIES, UNCONFINED STRENGTH, TENSILE STRENGTH, & AVERAGE GRAIN DENSITY) FOR DRILLHOLE UE-25NRG#2 SAMPLES FROM DEPTH 170.4 FT. TO 200.0 FT.**
- SNL02030193001.004 MECHANICAL PROPERTIES DATA (ULTRASONIC VELOCITIES, STATIC ELASTIC PROPERTIES, UNCONFINED STRENGTH, & AVERAGE GRAIN DENSITY) FOR DRILLHOLE USW NRG-6 SAMPLES FROM DEPTH 462.3 FT. TO 1085.0 FT.**
- SNL02030193001.005 MECHANICAL PROPERTIES DATA (ULTRASONIC VELOCITIES, STATIC ELASTIC PROPERTIES, UNCONFINED STRENGTH, TENSILE STRENGTH, & AVERAGE GRAIN DENSITY) FOR DRILLHOLE UE-25NRG#3 SAMPLES FROM DEPTH 15.4 FT. TO 297.1 FT.**
- SNL02030193001.006 MECHANICAL PROPERTIES DATA (ULTRASONIC VELOCITIES, STATIC ELASTIC PROPERTIES, UNCONFINED STRENGTH, TENSILE STRENGTH, & AVERAGE GRAIN DENSITY) FOR DRILL HOLE UE-25NRG#2A SAMPLES FROM DEPTH 90.0 FT. TO 254.5 FT.**
- SNL02030193001.007 MECHANICAL PROPERTIES DATA (ULTRASONIC VELOCITIES, STATIC ELASTIC PROPERTIES, TRIAXIAL STRENGTH, & AVERAGE GRAIN DENSITY)**
- SNL02030193001.008 MECHANICAL PROPERTIES DATA (ULTRASONIC VELOCITIES, STATIC ELASTIC PROPERTIES TRIAXIAL, & AVERAGE GRAIN DENSITY FOR DRILL HOLE USW NRG-6 SAMPLE 416.0 FT.**
- SNL02030193001.009 MECHANICAL PROPERTIES DATA (TENSILE STRENGTH, AVERAGE GRAIN DENSITY, & POROSITY) FOR DRILLHOLE UE25 NRG-5 SAMPLES FROM DEPTH 781.0 FT. TO 991.9 FT.**
- SNL02030193001.010 MECHANICAL PROPERTIES DATA (AVERAGE GRAIN DENSITY) FOR DRILLHOLE UE25 NRG-2B SAMPLES FROM DEPTH 2.7 FT. TO 87.6 FT.**
- SNL02030193001.011 MECHANICAL PROPERTIES DATA (POROSITY) FOR DRILLHOLE UE25 NRG-2A SAMPLES FROM DEPTH 135.3 FT. TO 166.5 FT.**
- SNF29041993002.009 YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT CORE HOLE ROCK STRUCTURAL DATA SUMMARY FOR HOLE UE25 NRG-1, UE25 NRG-2, UE25 NRG-2A, UE25 NRG-3, UE25 NRG-4, UE25 NRG-5, USW NRG-6, & RF #8.**
- SNF29041993002.016 YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT CORE HOLE ROCK STRUCTURAL DATA SUMMARY FOR HOLE USW NRG-7/7A.**

- SNF29041993002.017 YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT ESTIMATED ROCK MASS QUALITY INDICES BASED ON CORE LOG DATA FOR HOLE USW NRG-7/7A.**
- SNF29041993002.018 YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT CORE HOLE ROCK STRUCTURAL DATA SUMMARY FOR HOLE UE25 NRG-2B.**
- SNF29041993002.019 YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT ESTIMATED ROCK MASS QUALITY INDICES BASED ON CORE LOG DATA FOR HOLE UE25 NRG-2B.**
- SNF29041993002.030 YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT RANK-ORDERED ROCK MASS QUALITY INDICES BASED ON CORE LOG DATA HOLES UE25 NRG-1, NRG-2, NRG-2A, NRG-2B, NRG-3, NRG-4, NRG-5; USW NRG-6, AND NRG-7/7A (REVISION 0). THIS DATA SUPERSEDES DATA PREVIOUSLY IDENTIFIED BY DTN: SNF29041993002.011.**
- SNF29041993002.032 YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT RANK-ORDERED ROCK MASS QUALITY INDICES FOR TCW, PTN, TSW1, TSW2, AND UO (TUFF "X") UNITS. THIS DATA SUPERSEDES DATA PREVIOUSLY IDENTIFIED BY DTN: SNF29041993002.020.**
- SNF29041993002.034 YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT GEOLOGY AND ROCK STRUCTURE LOG FOR DRILLHOLE UE25 NRG-1, REV. 1. (THIS DATA SUPERSEDES DATA PREVIOUSLY IDENTIFIED BY DTN: SNF29041993002.003)**
- SNF29041993002.035 YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT GEOLOGY AND ROCK STRUCTURE LOG FOR DRILLHOLE UE25 NRG-2, REV. 1. (THIS DATA SUPERSEDES DATA PREVIOUSLY IDENTIFIED BY DTN: SNF29041993002.001)**
- SNF29041993002.036 YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT GEOLOGY AND ROCK STRUCTURE LOG FOR DRILLHOLE UE25 NRG-2A, REV. 1. (THIS DATA SUPERSEDES DATA PREVIOUSLY IDENTIFIED BY DTN:SNF29041993002.004)**
- SNF29041993002.037 YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT GEOLOGY AND ROCK STRUCTURE LOG FOR DRILLHOLE UE25 NRG-2B, REV. 1. (THIS DATA SUPERSEDES DATA PREVIOUSLY IDENTIFIED BY DTN: SNF29041993002.014)**
- SNF29041993002.038 YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT GEOLOGY AND ROCK STRUCTURE FOR DRILLHOLE UE25 NRG-3, REV. 1. (THIS DATA SUPERSEDES DATA PREVIOUSLY IDENTIFIED BY DTN: SNF29041993002.005)**

- SNF29041993002.039 YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT GEOLOGY AND ROCK STRUCTURE LOG FOR DRILLHOLE UE25 NRG-4, REV. 1. (THIS DATA SUPERSEDES DATA PREVIOUSLY IDENTIFIED BY DTN: SNF29041993002.008)**
- SNF29041993002.040 YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT GEOLOGY AND ROCK STRUCTURE LOG FOR DRILLHOLE UE25 NRG-5, REV. 1. (THIS DATA SUPERSEDES DATA PREVIOUSLY IDENTIFIED BY DTN: SNF29041993002.007)**
- SNF29041993002.041 YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT GEOLOGY AND ROCK STRUCTURE LOG FOR DRILLHOLE USW NRG-6, REV. 1. (THIS DATA SUPERSEDES DATA PREVIOUSLY IDENTIFIED BY DTN: SNF29041993002.006)**
- SNF29041993002.042 YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT GEOLOGY AND ROCK STRUCTURE LOG FOR DRILLHOLE USW NRG-1/71, REV. 1. (THIS DATA SUPERSEDES DATA PREVIOUSLY IDENTIFIED BY DTN: SNF29041993002.015)**
- SNF29041993002.047 YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT ESTIMATED ROCK MASS QUALITY INDICES BASED ON REVISION 2 FOR CORE LOG DATA HOLES UE25 NRG-1, -2A, -3, AND -5; AND REVISION 3 FOR UE25 NRG-2, -2B, -4; AND USW NRG-6 AND 7/7A. (THIS DATA SUPERSEDES DATA PREVIOUSLY IDENTIFIED BY DTN'S: SNF29041993002.011, SNF29041993002.017, AND SNF29041993002.019) NOTE: THE DATA FOR USW NRG-6 AND NRG-7/7A.**
- SNF29041993002.048 YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT CORE HOLE ROCK STRUCTURAL DATA SUMMARIES FOR BOREHOLES UE25 NRG-1, -2, -2A, -2B, -3, -4, -5; AND USW NRG-6 & 7/7A, REVISION 1. (THIS DATA SUPERSEDES DATA PREVIOUSLY IDENTIFIED BY DTN: SNF29041993002.009, SNF29041993002.016, AND SNF29041993002.018, WITH THE EXCEPTION OF THE DATA FOR BOREHOLE RF #8, WHICH WAS USED FOR CORROBORATING PURPOSES ONLY).**
- SNF29041993002.049 YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT ROCK MASS MECHANICAL PROPERTIES ESTIMATES FOR BOREHOLES UE25 NRG-1, -2, -2A, -3, -4, -5; USW NRG-6 & 7/7A, REVISION 3. (THIS DATA SUPERSEDES THE VALUES FOR THE PTN THERMOMECHANICAL UNITS ONLY IN THE DATA PREVIOUSLY IDENTIFIED BY DTN: SNF29041993002.031. ALL OTHER THERMOMECHANICAL UNIT VALUES IN THE PREVIOUS DATA REMAIN THE SAME.) THIS DATA HAS BEEN SUPERSEDED BY DTN: SNF29041993002.063 ON 6/5/95.**

- SNF29041993002.050 YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT RANK-ORDERED ROCK MASS QUALITY INDICES FOR PTN UNITS, REVISION 1. (THIS DATA SUPERSEDES THE VALUES FOR THE PTN THERMOMECHANICAL UNITS**
- SNF29041993002.062 ROCK MASS MECHANICAL PROPERTIES ESTIMATES FOR BOREHOLES UE25 NRG -1, -2, -2A, -3, -4, -5; USW NRG-6,-7/7A. THESE DATA SUPERSEDES THE VALUES PEVIOUSLY IDENTIFIED BY DTN: SNF29041993002.031.**
- SNF29041993002.063 ROCK MASS MECHANICAL PROPERTIES ESTIMATES FOR UE25 NRG-4 AND USW NRG-6, -7/7A. THIS DATA SUPERSEDES DATA PREVIOUSLY IDENTIFIED BY DTN: SNF29041993002.049.**
- SNF29041993002.065 YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT ESTIMATED ROCK MASS QUALITY INDICES BASED ON CORE LOG DATA FOR BOREHOLE USW UZ-14, 700-850 FT, MIDDLE NONLITHOPHYSAL ZONE, REV. 0.**
- SNF29041993002.067 YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT ESTIMATED ROCK MASS QUALITY INDICES BASED ON CORE LOG DATA FROM BOREHOLE USW SD-7, 670-830 FT, MIDDLE NONLITHOPHYSAL ZONE, REV. 0.**
- SNF29041993002.068 YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT ESTIMATED ROCK MASS QUALITY INDICES BASED ON CORE LOG DATA FROM BOREHOLE USW SD-7, 670-830 FT, MIDDLE NONLITHOPHYSAL ZONE, REV. 0.**
- SNF29041993002.069 YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT CORE HOLE ROCK STRUCTURAL DATA SUMMARY FOR BOREHOLE USW SD-9, 700-850 FT, MIDDLE NONLITHOPHYSAL ZONE, REV. 1 (THIS DATA SUPERSEDES DATA PREVIOUSLY IDENTIFIED BY DTN: SNF29041993002.052)**
- SNF29041993002.070 YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT ESTIMATED ROCK MASS QUALITY INDICES BASED ON CORE LOG DATA FOR BOREHOLE USW SD-9, 700-850 FT, MIDDLE NONLITHOPHYSAL ZONE, REV. 1 (THIS DATA SUPERSEDES DATA PREVIOUSLY IDENTIFIED AS DTN: SNF29041993002.053.)**
- SNF29041993002.071 YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT CORE HOLE ROCK STRUCTURAL DATA SUMMARY FOR BOREHOLE USW SD-12, 650-800 FT, MIDDLE NONLITHOPHYSAL ZONE, REV. 1. (THIS DATA SUPERSEDES DATA PREVIOUSLY IDENTIFIED BY DTN: SNF29041993002.055)**

- SNF29041993002.072 YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT ESTIMATED ROCK MASS QUALITY INDICES BASED ON CORE LOG DATA FOR BOREHOLE USE SD-12, 650-800 FT, MIDDLE NONLITHOPHYSAL ZONE, REV. 1 (THIS DATA SUPERSEDES DATA PREVIOUSLY IDENTIFIED BY DTN SNF29041993002.056)**
- SNF29041993002.074 YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT ESTIMATED ROCK MASS QUALITY INDICES BASED ON CORE LOG DATA FOR BOREHOLE USW NRG-6, 710-1100 FT, TSW2 UNIT, REV. 4 (THIS DATA SUPERSEDES DATA PREVIOUSLY IDENTIFIED AS DTN: SNF29041993002.047 FOR NRG-6 DATA ONLY)**
- SNF29041993002.075 YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT GEOLOGY AND ROCK STRUCTURE LOG FOR HOLE USW SD-7, 0-950 FT, REV. 1. (THIS DATA SUPERSEDES DATA PREVIOUSLY IDENTIFIED AS DTN: SNF29041993002.066)**
- SNF29041993002.076 YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT GEOLOGY AND ROCK STRUCTURE LOG FOR HOLE USW SD-9, 0-1350 FT., REV. 1. (THIS DATA SUPERSEDES DATA PREVIOUSLY IDENTIFIED AS DTN: SNF29041993002.051)**
- SNF29041993002.079 YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT GEOLOGY AND ROCK STRUCTURE LOG FOR HOLE USW UZ-14, 700-850 FT., REV. 0.**
- SNF29041993002.080 YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT CORE HOLE ROCK STRUCTURAL DATA SUMMARY FOR BOREHOLE USW UZ-14, 700-850 FT, REV. 0.**
- SNF29041993002.081 TOPOPAH SPRINGS MIDDLE NONLITHOPHYSAL ZONE, REV 1 - RANK-ORDERED ROCK MASS QUALITY INDICES Q, RMR AND RQD (THIS DATA SUPERSEDES DATA PREVIOUSLY IDENTIFIED AS DTN: SNF29041993002.058)**
- SNF29041993002.082 ROCK MASS MECHANICAL PROPERTIES ESTIMATES TOPOPAH SPRING CRYSTAL-POOR MIDDLE NONLITHOPHYSAL ZONE BASED ON NRG-6, -7/7A, SD-7, -9, -12 AND UZ-14 (THIS DATA SUPERSEDES DATA PREVIOUSLY IDENTIFIED AS DTN: SNF29041993002.057)**
- GS921283114220.009 TRIAXIAL COMPRESSION AND ELASTIC PROPERTIES OF INTACT ROCK CORE TEST SPECIMENS. LAB TESTS OF MECHANICAL PROPERTIES, NORTH RAMP.**