



Department of Energy
Office of Civilian Radioactive Waste Management
1551 Hillshire Drive
Las Vegas, NV 89134-6321

QA: N/A
Project No. WM-00011

AUG 17 2007

OVERNIGHT MAIL

ATTN: Document Control Desk

Director, Division of High-Level Waste
Repository Safety
U.S. Nuclear Regulatory Commission
EBB-2B2
11545 Rockville Pike
Rockville, MD 20852-2738

**TRANSMITTAL OF REQUEST FOR DATA SETS FROM ALCOVE 8/NICHE 3; ALCOVE 6;
AND ALCOVE 1 FIELD EXPERIMENTS**

Reference: Ltr, Davis to Williams, dtd 2/28/07 (Request for Data Sets from Alcove 8/Niche 3;
Alcove 6; and Alcove 1 Field Experiments)

In the referenced letter, the U.S. Nuclear Regulatory Commission (NRC) requested data sets collected for the three unsaturated-zone flow and transport field experiments in the Exploratory Studies Facility (ESF) tunnel and the Enhanced Characterization of the Repository Block drift at Yucca Mountain, Nevada. The locations for the three field experiments are: (1) Alcove 8/Niche 3, (2) Alcove 6, and (3) Alcove 1. The request list also included a category for ESF Tunnel and listed Data Tracking Number (DTN):GS030808312231.004.


The request listed 88 DTNs, which in aggregate contain in excess of 600 electronic files. Enclosure 1 is a hard copy listing of all the DTNs for the data sets being transmitted and the associated electronic files. There are two DTNs for Alcove 8/Niche 3 on the request list that were incorrect: GS040308312242.006 should be GS040608312242.006 and MO0006GSC00241.001 should be MO0006GSC00241.000 in order to match the DTN data set title requested. Also, please note that DTN:MO0109HYMXPROP.000 (Alcove 1) contains a data qualification report, not the product output from the report (i.e., the actual data). The actual data are contained in DTN:MO0109HYMXPROP.001, which was not on the request list. For completeness sake, the files for both DTNs are being transmitted. The details are provided in Enclosure 1. Finally, the archive file in DTN:LB0312A8N3MDLG.001 (Alcove 8/Niche 3) contains two files with the identical name but different byte sizes and date-time stamps. Both files are being transmitted, but the filename of one has been altered slightly so they could be included in the same folder. Details of this issue are also provided in Enclosure 1.

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Enclosure 2 is a DVD with the files organized in folders by the test location. The folder sizes on the DVD are as follows: Alcove 1 contains 9.7 MB, Alcove 6 contains 6.7 MB, Alcove 8/Niche 3 contains 2,371.4 MB, and ESF Tunnel contains 75.4 MB. The files on the DVD can be made publicly available.

There are no new regulatory commitments in this letter. Please direct any questions concerning this letter to William J. Boyle at (702) 794-5506 or e-mail william_boyle@ymp.gov, or Eric T. Smistad at (702) 794-5073 or e-mail eric_smistad@ymp.gov.



April V. Gil, Acting Director
Regulatory Authority Office

RAO:AVG-1111

Enclosures:

1. Hard copy "DTN List Addressing NRC
Information Request of 2/28/07"
2. DVD "NRC 02-28-07 Request for
DTNs for Alcove 8/Niche 3,
Alcoves 1 and 6, and ESF Tunnel"

AUG 17 2007

cc w/encls:

M. G. Bailey, NRC, Rockville, MD
B. J. Benney, NRC, Rockville, MD
A. C. Campbell, NRC, Rockville, MD
J. H. Chen, NRC, Rockville, MD
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Ron Damele, Eureka County, Eureka, NV
Susan Cash, Inyo County, Bishop, CA
Chuck Chapin, Lander County, Battle Mountain, NV
Wade Poulsen, Lincoln County, Pioche, NV
Linda Mathias, Mineral County, Hawthorne, NV
Darrell Lacy, Nye County, Pahrump, NV
Clinton Eldridge, White Pine County, Ely, NV
R. I. Holden, National Congress of American Indians, Washington, DC

Enclosure 1
DTN List Addressing NRC
Information Request of 2/28/07

Test	DTN Number	DTN Description/Title	Files in DTN
Alcove 8/Niche 3	GS000808312242.005	Physical properties of borehole samples, 7/5/00 to 7/13/00. Formal DTN title or description: BULK DENSITY, PARTICLE DENSITY, POROSITY, SATURATION AND VOLUMETRIC WATER CONTENT DATA OF BOREHOLE SAMPLES FROM NICHE 3 OF THE ESF. MEASUREMENTS FROM 7/05/00 TO 7/13/00	311125Readme.doc, 92,160 bytes GS000808312242_005.xls, 40,960 bytes
Alcove 8/Niche 3	GS000808312242.007	Physical properties of borehole samples, 7/10/00 to 7/19/00. Formal DTN title or description: PHYSICAL PROPERTIES OF BOREHOLE SAMPLES FROM ALCOVE 8 OF THE ECRB. MEASUREMENTS FROM 7/10/00 TO 7/19/00	ReadMe311127.doc, 29,184 bytes 311127data.xls, 61,440 bytes
Alcove 8/Niche 3	GS010608312242.002	Small-plot infiltration, 8/28/00 to 12/14/00. Formal DTN title or description: SMALL PLOT INFILTRATION IN ALCOVE 8 USING A BOX PERMEAMETER FROM AUGUST 28, 2000 TO DECEMBER 14, 2000	312095data.xls, 1,253,376 bytes
Alcove 8/Niche 3	GS010608312242.004	Small-plot seepage, 8/9/00 to 8/21/00. Formal DTN title or description: CROSSOVER ALCOVE/SEEPAGE INTO NICHE 3; SMALL PLOT INFILTRATION USING A CYLINDER PERMEAMETER FROM AUGUST 9, 2000 TO AUGUST 21, 2000	zz_sep_302135.txt (File generated from database table S02136_001 DATA REPORT), 199,877 bytes
Alcove 8/Niche 3	GS020508312242.001	Trench-fault infiltration, 3/5/01 to 6/1/01. Formal DTN title or description: TRENCH FAULT INFILTRATION IN ALCOVE 8 USING PERMEAMETERS FROM MARCH 5, 2001 TO JUNE 1, 2001.	s02131_002_001.pdf, 1,018,451 bytes zz_sep_301691.txt (File generated from database table S02131_001 DATA REPORT), 82,953 bytes zz_sep_301694.txt (File generated from database table S02131_002 DATA REPORT), 531 bytes
Alcove 8/Niche 3	GS020908312242.002	Trench-fault infiltration, 6/1/01 to 3/26/02. Formal DTN title or description: TRENCHED FAULT INFILTRATION IN ALCOVE 8 USING [SIC] PERMEAMETERS	313481 Applied-Water Alcove 8.xls, 432,640 bytes
Alcove 8/Niche 3	GS030108314224.001	Geotechnical data for Alcove 8 (ECRB) and Niche 3 (ESF): Full periphery map (Drawing OA-46-356). Formal DTN title or description: GEOTECHNICAL DATA FOR ALCOVE 8 (ECRB) AND NICHE 3 (ESF): FULL PERIPHERY MAP (DRAWING OA-46-356) (Oct. 1, 1999 to June 30, 2000).	Alc8_Nch3.dwg, 8,062,141 bytes Alc8_Nch3.dxf, 20,779,099 bytes BR1_0.SHX, 6,747 bytes BRLINE.SHX, 577 bytes BUREAU.SHX, 8,513 bytes GEN227.DWG, 1,552,886 bytes GEN227.dxf, 3,883,582 bytes Gen314.dwg, 1,352,803 bytes Gen314.dxf, 3,369,561 bytes The following files are illegible and are not being sent: Alc8_Nch3.pdf, 205,261 bytes, GEN227.pdf, 218,936 bytes, Gen314.pdf, 39,621,452181,346 bytes. They are PDFs of the AutoCAD files with the corresponding file names.
Alcove 8/Niche 3	GS030208312242.003	Trench-fault infiltration, 3/26/02 to 8/20/02. Formal DTN title or description: TRENCHED FAULT INFILTRATION IN ALCOVE 8 USING PERMEAMETERS FROM MARCH 26, 2002 TO AUGUST 20, 2002.	GS030208312242003.xls, 104,960 bytes zz_sep_301713.txt (File generated from database table S03124_001 DATA REPORT), 31,776 bytes

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Test	DTN Number	DTN Description/Title	Files in DTN
Alcove 8/Niche 3	GS030508312242.004	Photographs during construction of Niche 3, construction water. Formal DTN title or description: PHOTOGRAPHS FROM NICHE 3 OF THE ALCOVE 8 / NICHE 3 SEEPAGE EXPERIMENT DURING CONSTRUCTION SHOWING CONSTRUCTION WATER IN NICHE 3, MARCH 6, 2000	P000539.BMP, 3,686,458 bytes P000540.BMP, 3,686,458 bytes P000541.BMP, 3,686,458 bytes P000542.BMP, 3,686,458 bytes P000543.BMP, 3,686,458 bytes P000544.BMP, 3,686,458 bytes P000545.BMP, 3,686,458 bytes P000546.BMP, 3,686,458 bytes P000547.BMP, 3,686,458 bytes P000548.BMP, 3,686,458 bytes P000549.BMP, 3,686,458 bytes P000550.BMP, 3,686,458 bytes P000551.BMP, 3,686,458 bytes P000552.BMP, 3,686,458 bytes P000553.BMP, 3,686,458 bytes P000554.BMP, 3,686,458 bytes P000555.BMP, 3,686,458 bytes P000557.BMP, 3,686,458 bytes P000558.BMP, 3,686,458 bytes P000559.BMP, 3,686,458 bytes P000560.BMP, 3,686,458 bytes P000561.BMP, 3,686,458 bytes P000562.BMP, 3,686,458 bytes
Alcove 8/Niche 3	GS030608312242.005	Large-plot infiltration, 11/19/02 to 3/24/03. Formal DTN title or description: SURFACE INFILTRATION IN A LARGE PLOT IN ALCOVE 8 USING PERMEAMETERS FROM NOVEMBER 19, 2002 TO MARCH 24, 2003	314893data.xls, 61,952 bytes zz_sep_301721.txt (File generated from database table S03250_001 DATA REPORT), 34,482 bytes
Alcove 8/Niche 3	GS031008312242.007	Large-plot infiltration, 8/20/02 to 11/19/02. Formal DTN title or description: SURFACE INFILTRATION IN A LARGE PLOT IN ALCOVE 8 USING PERMEAMETERS FROM AUGUST 20, 2002 TO NOVEMBER 19, 2002	data technical.xls, 90,112 bytes ReadMe.doc, 26,112 bytes
Alcove 8/Niche 3	GS040308312242.001	Large-plot infiltration in Alcove 8 using permeameters in Plot 2 and Plot 12 from 3/24/03 to 8/4/03.	LrgPlot_2_12_Data.xls, 97,280 bytes README.doc, 38,912 bytes
Alcove 8/Niche 3	GS040308312242.002	Large-plot evaporation-pan data, 9/18/02 to 1/8/04. Formal DTN title or description: LARGE PLOT EVAPORATION RATE DATA MEASURING APPLIED WATER VOLUMES IN ALCOVE 8 IN THE ECRB CROSS DRIFT.	DataEvapRate_91802-1804.xls, 63,488 bytes README.doc, 33,792 bytes
Alcove 8/Niche 3	GS040308312242.004	Developed daily rates of application for trenches 1-4, 3/6/01 to 5/1/01.	gs040308312242_004.xls, 92,160 bytes s06056_001_001.pdf, 94,444 bytes
Alcove 8/Niche 3	GS040608312242.005	Neutron logging and calibration curves 1997 to 2003. Formal DTN title or description: NEUTRON LOGGING COUNT DATA FROM 1997 THROUGH 2003, FROM BOREHOLES THROUGH OUT THE ESF AND ECRB.	Volumetric Water Content.xls, 1,593,344 bytes s06064_001_001.pdf, 33,214 bytes

Enclosure 1
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Test	DTN Number	DTN Description/Title	Files in DTN
Alcove 8/Niche 3	GS040608312242.006	Trench-fault tensiometer, 2/11/02 to 1/28/03. Formal DTN title or description: TRENCH FAULT DATA MEASURING WATER POTENTIAL IN ALCOVE 8 AT STATION AL808 IN THE ECRB AS THE APPLICATION WENT FROM SATURATED TO UNSATURATED FLOW	gs040608312242_006.xls, 7,188,480 bytes s06055_001_001.pdf, 39,736 bytes
Alcove 8/Niche 3	GS050408312242.002	Surface infiltration of tracer water in a large plot in Alcove 8 from 3/1/04 to 3/17/04 (Plots 3 thru 9) and 3/1/04, 4/13/04 (Plots 1, 2, 10, 11, and 12). Formal DTN title or description: APPLIED TRACER VOLUME DATA MEASURING INFILTRATION RATE IN ALCOVE 8, ECRB CROSS DRIFT, USING PERMEAMETERS IN PLOTS 1 THRU 12 AT STATIONS AL810 THRU AL821. INFILTRATION PLOTS 1, 2, 10, 11, AND 12 (STATIONS AL810, AL811, AL819, AL820, AND AL821) WERE EQUIPPED WITH AUTOMATIC WATER RELEASE AND MONITORING SYSTEMS; PLOTS 3 THRU 9 (STATIONS AL812, AL813, AL814, AL815, AL816, AL817, AL818) WERE OPERATED MANUALLY.	DataLargePlotTracerFinal072205.xls, 95,232 bytes README FILE.doc, 34,816 bytes
Alcove 8/Niche 3	GS050608312242.003	Surface infiltration in a large plot in Alcove 8, using permeameters from 8/28/03 to 3/1/04. Formal DTN title or description: LARGE PLOT INFILTRATION DATA MEASURING APPLIED WATER VOLUMES IN ALCOVE 8, ECRB CROSS DRIFT, USING PERMEAMETERS IN TWELVE PLOTS (1-12) AT STATIONS AL811, AL812, AL813, AL814, AL815, AL816, AL817, AL818, AL819, AL820, AND AL821, BETWEEN 8/28/03 TO 3/1/04	DataLrgPlotThru030104.xls, 179,712 bytes README FILE.doc, 34,816 bytes
Alcove 8/Niche 3	GS050608312242.004	Surface infiltration of water in a large plot in Alcove 8, from 3/17/04 (Plots 3 thru 9) and 4/13/04 (Plots 1, 2, 10, 11, and 12) to 10/18/04.	DataLargePlot(Thru10182004)060905 (FINAL).xls, 434,688 bytes README FILE.doc, 36,864 bytes
Alcove 8/Niche 3	GS050708312242.005	Large-plot evaporation-pan data, 1/9/04 to 10/18/04. Formal DTN title or description: LARGE PLOT EVAPORATION RATE DATA MEASURING APPLIED WATER VOLUMES IN ALCOVE 8 AT STATION AL822 IN THE ECRB CROSS DRIFT; DATA COLLECTED FROM 1/9/04 TO 10/18/04	EvaporationPanData(FINAL).xls, 47,616 bytes README FILE.doc, 40,448 bytes
Alcove 8/Niche 3	GS050808312242.006	Temperature, relative humidity, and barometric pressure, 11/12/03 to 10/20/04.	AL801Data (FINAL).xls, 1,086,976 bytes README FILE.doc, 30,208 bytes
Alcove 8/Niche 3	GS051008312242.007	Heat-dissipation probe and temperature in boreholes surrounding large-plot test in Alcove 8, 6/20/01 to 10/19/04.	317878.xls, 2,260,480 bytes README FILE.doc, 51,200 bytes
Alcove 8/Niche 3	GS051008312242.008	Heat-dissipation probe and temperature in boreholes near trench of Alcove 8, 2/14/02 to 10/20/04. Formal DTN title or description: MATRIC POTENTIAL OF ROCK SURROUNDING THE TRENCH IN ALCOVE 8 AS MEASURED USING HEAT DISSIPATION PROBES FROM FEBRUARY 14, 2002 TO OCTOBER 20, 2004	gs051008312242_008.xls, 7,259,136 bytes s06054_001_001.pdf, 104,082 bytes

Enclosure 1
DTN List Addressing NRC
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Test	DTN Number	DTN Description/Title	Files in DTN
Alcove 8/Niche 3	LB0110A8N3GPRB.001	Pre-testing ground-penetrating radar-baseline tomography using borehole array. Formal DTN title or description: PRE-SEEPAGE TEST GROUND PENETRATING RADAR TOMOGRAPHY IN RADIAL BOREHOLE ARRAYS BETWEEN ALCOVE 8 (ECRB) AND NICHE 3107 (ESF). 7/19/2000 to 12/14/2000	2-1.xls, 90,112 bytes 2-1_sta.xls, 48,128 bytes 3-1.xls, 90,624 bytes 3-1_sta.xls, 49,152 bytes 4-2.xls, 90,112 bytes 4-2_sta.xls, 49,152 bytes 4-3.xls, 73,216 bytes 4-3_sta.xls, 49,152 bytes 6-5.xls, 91,648 bytes 6-5_sta.xls, 49,152 bytes a1-n3.xls, 116,224 bytes a1-n3_sta.xls, 56,320 bytes a1-n3-a4-n2_sta.xls, 86,016 bytes a4-n2.xls, 113,664 bytes a4-n2_sta.xls, 49,152 bytes s01213_001_001.pdf, 282,025 bytes
Alcove 8/Niche 3	LB0110A8N3LIQR.001	Preliminary fault-seepage data from borehole injections, 12/6/00 to 6/18/01. Formal DTN title or description: MEASUREMENTS OF SEEPAGE AT NICHE 3107 (ESF) FROM INJECTION TESTS IN BOREHOLES LOCATED IN ALCOVE 8 OF THE ECRB (Dec 6, 2000 to June 16, 2001).	bh10-erps (Figure 5).xls, 326,144 bytes LB0110A8N3LIQR.001readme.doc, 275,456 bytes N3-121200-061601-CR7.xls, 24,145,408 bytes Seepage data (Figure 6)-update.xls, 681,472 bytes wc-data-0409-061801.xls, 13,304,320 bytes
Alcove 8/Niche 3	LB0204A8N3LIQR.001	Fault seepage, 6/26/01 to 1/14/02. Formal DTN title or description: MEASUREMENTS OF SEEPAGE AT NICHE 3107 (ESF) FROM INJECTION TESTS IN A FAULT LOCATED IN ALCOVE 8 OF THE ECRB. (6/26/2001 - 1/14/2002)	LB0204A8N3LIQR.001readme.doc, 182,784 bytes Niche3 Seepage 062601-011402.xls, 15,392,256 bytes WC DATA 062701-011402-UNIT1-seepage.xls, 11,601,920 bytes WC DATA 062701-011402-UNIT2-seepage.xls, 11,910,144 bytes WC DATA 062701-011402-UNIT3-seepage.xls, 13,318,656 bytes
Alcove 8/Niche 3	LB0204NICH3TRC.001	Fault-infiltration-test tracer sampling for chemistry, 4/01 to 3/02. Formal DTN title or description: CHEMICAL CONSTITUENT MEASUREMENTS IN LIQUID SAMPLES COLLECTED FROM ALCOVE 8 - NICHE 3107 FAULT INJECTION TESTS.	2002 A8N3.xls, 160,256 bytes s02142_001_001.pdf, 313,278 bytes
Alcove 8/Niche 3	LB0208UZDSCPLI.002	Drift-scale calibrated property sets. Lower-infiltration data summary. Formal DTN title or description: HYDROLOGIC PARAMETERS FOR THE UZ MODEL CALIBRATED AGAINST MID-SCALE MATRIX SATURATION AND CAPILLARY PRESSURE DATA USING THE LOWER INFILTRATION CASE. (01-June-2002 to 23-Aug-2002)	drift-scale calibrated properties for lower infiltration2.xls, 29,184 bytes
Alcove 8/Niche 3	LB0210AMRU0035.002	Model validation and parameter uncertainty: Data summary. 17-sep-2002 to 30-sep-2002	Data_summary_UV.doc, 36,864 bytes readme.doc, 28,672 bytes
Alcove 8/Niche 3	LB0301A8N3LIQR.001	Fault seepage, 1/16/02 to 4/15/02. Formal DTN title or description: MEASUREMENTS OF SEEPAGE AT NICHE 3107 (ESF) FROM INJECTION TESTS IN A FAULT LOCATED IN ALCOVE 8 OF THE ECRB (1/16/02 to 4/15/02)	Daily seepage rates 011602-041502.xls, 7,689,216 bytes Niche3 Seepage 011602-041502.xls, 11,600,384 bytes WC DATA 011602-041502-UNIT1-seepage.xls, 5,443,584 bytes WC DATA 011602-041502-UNIT2-seepage.xls, 11,223,040 bytes WC DATA 011602-041502-UNIT3-seepage.xls, 13,465,600 bytes s03057_001_001.pdf, 364,354 bytes

Enclosure 1
DTN List Addressing NRC
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Test	DTN Number	DTN Description/Title	Files in DTN
Alcove 8/Niche 3	LB0301N3SURDAT.001	Measurements and elevations used for grid generation. Formal DTN title or description: MEASUREMENTS AND ELEVATIONS USED TO DETERMINE NICHE DIMENSIONS FOR ALCOVE 8/NICHE 3 TRANSPORT MODELING (20-jan-1999 to 02-feb-1999)	Ceiling-hand-calcs.xls, 23,552 bytes LB0301N3SURDAT.001ReadMe.doc, 41,984 bytes
Alcove 8/Niche 3	LB0302ALC8AIRK.001	Air-permeability testing in boreholes around Alcove 8. Formal DTN title or description: AIR-K CHARACTERIZATION OF BOREHOLES RADIATING DOWN FROM ALCOVE 8 IN THE ECRB DRIFT (23-jan-2001 to 26-apr-2002)	A8 single hole all submit.csv, 19,146 bytes LB0302ALC8AIRK.001Filelist.doc, 80,384 bytes LB0302ALC8AIRK.001Readme.doc, 86,016 bytes
Alcove 8/Niche 3	LB0303A8N3LIQR.001	Compilation of wetting-front arrival, tracer breakthrough, and seepage-rate data. Formal DTN title or description: COMPILATIONS OF WETTING FRONT ARRIVAL TIME, TRACER BREAKTHROUGH, SEEPAGE RATE AND TRAVEL TIME. (01-Jan-2003 to 01-Jan-2003)	All-seepage.xls, 262,656 bytes Daily-seepage-rates 041901-040902.xls, 116,736 bytes Preparation of Data for Seepage Rates.doc, 21,504 bytes Compilation of Tracer Data.doc, 20,992 bytes Data 100101-031202.xls, 1,020,416 bytes Samples-Tracer Collection System 100101-031202.xls, 121,856 bytes Distance to Fault.doc, 19,456 bytes LB0303A8N3LIQR.001ReadMe.doc, 51,200 bytes Preparation of Velocity Data for AMR Update.doc, 47,616 bytes

Enclosure 1
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Alcove 8/Niche 3	LB0303A8N3MDLG.001	Alcove 8 - Niche 3 seepage modeling: Simulations. Formal DTN title or description: CALIBRATED SEEPAGE MODELING FOR THE ALCOVE 8- NICHE 3 FAULT INFILTRATION TEST (01-Mar-2003 to 07-Mar-2003)	BTC.dat 9,879 bytes BTC_0dis.dat 19,809 bytes BTC_dis.dat 14,843 bytes GASOBS_TMrun1N.dat 15,163 bytes GASOBS_TMrun1NP.dat 13,890 bytes GASOBS_TMrun2N.dat 15,162 bytes GASOBS_TMrun2PN.dat 13,784 bytes GASOBS_TMrun3N.dat 13,996 bytes GASOBS_TMrun3NP.dat 13,254 bytes lrun1 10,230,904 bytes lrun1.out 856,242 bytes lrun1.sav 1,928,067 bytes lrun1i 2,963 bytes lrun1i.out 142,372 bytes lrun1i.par 3,350 bytes lrun1i.tec 40,542 bytes lrun4N 10,230,899 bytes lrun4N.out 729,794 bytes lrun4N.sav 1,928,067 bytes lrun4Ni 3,972 bytes lrun4Ni.out 230,072 bytes lrun4Ni.par 3,489 bytes lrun4Ni.tec 63,423 bytes LB0303A8N3MDLG.001ReadMe.doc 37,888 bytes TM_INN 10,230,902 bytes TM_INN.out 9,969,019 bytes TM_INN.sav 1,928,067 bytes TM_INNi 4,433 bytes TM_INNi.par 3,489 bytes TM_INNi.tec 32 bytes
Alcove 8/Niche 3	LB0304NICH3ISO.001	Isotopes and pH chemistry for seepage water test, 1/17/02 to 1/23/03. Formal DTN title or description: DELTA DEUTERIUM ISOTOPIC RATIO, DELTA OXYGEN-18 ISOTOPIC RATIO, AND PH CHEMISTRY DATA FOR THE DST ALCOVE 8 NICHE 3 SEEPAGE WATER TEST	LB0304NICH3ISO.001ReadMe.doc, 41,984 bytes Niche_#3_datasub.doc, 36,352 bytes
Alcove 8/Niche 3	LB0306A8N3LIQR.001	Fault seepage, 9/18/02 to 10/16/02. Formal DTN title or description: MEASUREMENTS OF SEEPAGE AT NICHE 3107 (ESF) FROM INJECTION TESTS IN A FAULT LOCATED IN ALCOVE 8 OF THE ECRB.	LB0306A8N3LIQR.001readme.doc, 128,512 bytes Niche 3 Seepage 091802-101602-rev.xls, 4,895,744 bytes

File list continued
on next page.

Enclosure 1
DTN List Addressing NRC
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DTN Number	Files in DTN (continued)
LB0303A8N3MDLG.001	TMrun1N 11,302,046 bytes TMrun1N.out 3,999,274 bytes TMrun1NP 11,302,050 bytes TMrun1NP.out 3,988,516 bytes TMrun2N 11,302,044 bytes TMrun2N.out 3,999,084 bytes TMrun2NP 11,302,046 bytes TMrun2NP.out 3,990,244 bytes TMrun3N 11,302,045 bytes TMrun3N.out 3,988,687 bytes TMrun3NP 11,302,045 bytes TMrun3NP.out 3,985,340 bytes WV_Irun1N 10,231,680 bytes WV_Irun1N.out 804,510 bytes WV_Irun1N.sav 1,928,068 bytes WV_Irun1Ni 3,771 bytes WV_Irun1Ni.out 99,008 bytes WV_Irun1Ni.tec 43,130 bytes WV_Irun4N 10,231,503 bytes WV_Irun4N.out 717,181 bytes WV_Irun4N.sav 192,8067 bytes WV_Irun4Ni 3,769 bytes WV_Irun4Ni.out 99,481 bytes WV_Irun4Ni.tec 43,130 bytes Filelist 3,764 bytes inf_sum.dat 10,822 bytes ratephase1N.prn 7,383 bytes

Enclosure 1
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Test	DTN Number	DTN Description/Title	Files in DTN
Alcove 8/Niche 3	LB0308A8N3SEEP.001	Niche 3 Seepage (10/16/02 to 04/02/03). Formal DTN title or description: MEASUREMENTS OF SEEPAGE AT NICHE 3107 (ESF) FROM INJECTION TESTS IN AN INFILTRATION PLOT LOCATED IN ALCOVE 8 OF THE ECRB (10/16/02 to 04/02/03).	LB0308A8N3SEEP.001readme.doc, 92,672 bytes N3 restart WC converted data Mon, Dec 16, 2002 10;03;04.csv, 5,203,151 bytes N3 restart WC converted data Mon, Mar 31, 2003 14;42;18.csv, 5,378,636 bytes N3 restart WC converted data Thu, Feb 27, 2003 09;37;51.csv, 905,748 bytes N3 restart WC converted data Thu, Mar 20, 2003 13;05;32.csv, 322,979 bytes N3 restart WC converted data Thu, Nov 14, 2002 11;56;33.csv, 8,818,208 bytes N3 restart WC converted data Tue, Dec 03, 2002 10;58;47.csv, 1,140,990 bytes N3 restart WC converted data Tue, Mar 25, 2003 14;07;22.csv, 34,440 bytes N3 restart WC converted data Tue, Oct 29, 2002 12;36;13.csv, 8,644,317 bytes N3 restart WC converted data Wed, Mar 26, 2003 08;48;15, 255,421 bytes N3 restart WC converted data Wed, Nov 06, 2002 15;06;10, 382,701 bytes N3 restart WC converted data Wed, Oct 16, 2002 14;23;53, 603,888 bytes Niche 3 Seepage 101602-120302.xls, 43,550,208 bytes Niche 3 Seepage 120302-040203.xls, 65,914,880 bytes Seepage rates big block 101602-031903.xls, 59,392 bytes Seepage total 101602-031903.xls, 7,730,688 bytes Trays.pdf, 1,845,134 bytes
Alcove 8/Niche 3	LB0308A8N3TRTM.001	Seepage travel times in Niche 3 (9/4/02 to 3/29/03).	LB0308A8N3TRTM-RS.001ReadMe.doc, 153,600 bytes N3012203.DAT, 1,224,257 bytes N3020703.DAT, 986,344 bytes N3031303.dat, 1,535,290 bytes N3032003.DAT, 981,218 bytes N3032603.DAT, 386,632 bytes N3032703.DAT, 37,928 bytes N3040203.DAT, 113,417 bytes N3-090402-032903-CR7.xls, 44,411,904 bytes N3091002.DAT, 245,847 bytes N3091902.DAT, 406,323 bytes N3100802.DAT, 724,397 bytes N3110402.DAT, 63,641 bytes N3110802.DAT, 68,759 bytes N3111402.DAT, 190,321 bytes N3112102.DAT, 32,349 bytes N3120902.DAT, 777,408 bytes N3121702.DAT, 362,588 bytes N3123102.DAT, 589,274 bytes Travel time for predictive model1.xls, 15,360 bytes

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Test	DTN Number	DTN Description/Title	Files in DTN
Alcove 8/Niche 3	LB0312A8N3MDLG.001	Pre-Test Prediction Results for Alcove 8/Niche 3: Simulations. Formal DTN title or description: PRE-TEST PREDICTION FOR PHASE I TEST, PONDED INFILTRATION USING 12 PERMEAMETERS INTO 3 ZONES WITH 3 TRACER SETS (10-Nov-2003 to 09-Dec-2003).	<p>The archive file in the DTN contains two files with the identical name but different byte sizes and date-time stamps. In the archive, these two files are listed as "gener_phase2.dat". In the DVD (and this spreadsheet), one of the files kept the same filename. The other was given the name "gener_phase2+.dat" so both could be included in the same DTN folder.</p> <p>Alcove 8 Daily Infiltration Rates.xls, 62,464 bytes dailyseepage.dat, 23,642 bytes dailyseepageA.dat, 23,642 bytes framtr.dat, 245 bytes gas_phase2.dat, 423,829 bytes gas_phase2B.dat, 423,829 bytes gas_zone1A.dat, 423,829 bytes gas_zone1B.dat, 423,829 bytes gas_zone2A.dat, 449,509 bytes gas_zone2B.dat, 436,669 bytes gas_zone3A.dat, 423,829 bytes gas_zone3B.dat, 423,829 bytes gener_phase1.dat, 306,871 bytes gener_phase2.dat+, 309,751 bytes i00layer1.dat, 576 bytes i00layer2.dat, 576 bytes i00layer3.dat, 576 bytes i00layer4.dat, 576 bytes i00layer5.dat, 576 bytes i00layer6.dat, 576 bytes i00layer7.dat, 167,272 bytes incon_phase1, 7,484,570 bytes incon_phase2.in, 5,843,213 bytes</p>
Alcove 8/Niche 3	LB0406ESFNH2OP.001	Water-potential measurements in 3 niches, 5/9/97 to 1/8/98. Formal DTN title or description: PSYCHROMETER READINGS FOR WATER POTENTIAL MEASUREMENTS IN NICHE 3566 (NICHE 1), NICHE 3650 (NICHE 2), AND NICHE 3107 (NICHE 3) OF THE ESF.	<p>calib-set2.xls, 29,184 bytes longlead-calib.xls, 72,192 bytes psy-sum-tab.xls, 32,768 bytes DTN details Table1-2-3.xls, 56,320 bytes Fig1-dat.xls, 23,552 bytes LB0406ESFNH2OP.001ReadMe.doc, 45,056 bytes</p>

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DTN Number	Files in DTN (continued)	Files in DTN (continued)	Files in DTN (continued)
LB0312A8N3MDLG.001	Irun3d, 20,623,585 bytes Irun3dA, 20,623,583 bytes Irun3dA.out, 766,401 bytes Irun3dA.sav, 3,562,503 bytes REFbottom.dat, 576 bytes REFInterface.dat, 576 bytes REFtop.dat, 576 bytes rock.par, 10,812 bytes SPrun3di, 9,898 bytes SAVE, 6,040,291 bytes SPrun3d, 20,795,487 bytes SPrun3d.out, 923,100 bytes SPrun3d.sav, 3,562,503 bytes SPrun3di.msg, 14,337 bytes SPrun3di.out, 645,164 bytes SPrun3di.par, 11,408 bytes SPrun3di.tec, 194,073 bytes SrunA, 20,787,027 bytes SrunA.out, 516,065 bytes SrunA.sav, 3,562,503 bytes SrunAi, 26,031 bytes SrunAi.msg, 1,559,561 bytes SrunAi.out, 512,668 bytes SrunAi.par, 14,120 bytes SrunAi.tec, 190,249 bytes Trun3d, 20,792,604 bytes Trun3d.out, 155,043 bytes Trun3d.sav, 3,562,503 bytes Trun3d_phase2, 5,875,069 bytes Trun3d_phase2.out, 9,588,961 bytes	Trun3d_zone1A, 24,287 bytes Trun3d_zone1B, 24,286 bytes Trun3d_zone2A, 28,068 bytes Trun3d_zone2B, 28,068 bytes Trun3d_zone3A, 25,044 bytes Trun3d_zone3B, 25,042 bytes Trun3d2, 20,795,487 bytes Trun3d2.out, 923,100 bytes Trun3d2.sav, 3,562,503 bytes Trun3d2i, 9,898 bytes Trun3d2i.msg, 14,339 bytes Trun3d2i.out, 645,166 bytes Trun3d2i.par, 11,408 bytes Trun3d2i.tec, 194,073 bytes Trun3di, 350 bytes Trun3di.msg, 13,572 bytes Trun3di.out, 12,066 bytes Trun3di.par, 11,404 bytes Trun3di.tec, 220 bytes LB0312A8N3MDLG.001ReadMe.doc file, 20,480 bytes LB0312A8N3MDLG.001filelist, 7,352 bytes gener_phase2.dat file, 18,151 bytes Mesh, 19,467,202 bytes Niche 3 Daily Seepage Rates.xls, 36,352 bytes LargePlotDomain.bnd, 64 bytes LargePlotLayer.roc, 178 bytes LargePlotLayerList.txt, 292 bytes LargePlotLayerOrder.dat, 998 bytes LayerOptions.dat, 315 bytes node2d.hol, 15,180 bytes	LargePlot.idx, 521,850 bytes LargePlot.m2k, 5,150,875 bytes Irun3dAi, 3,237 bytes Irun3dB, 20,623,585 bytes Irun3dAi.msg, 157,897 bytes Irun3dAi.out, 365,785 bytes Irun3dAi.par, 10,176 bytes Irun3dAi.tec, 108,501 bytes Irun3dB.out, 298,691 bytes Irun3dB.sav, 3,562,503 bytes Irun3dBi, 3,237 bytes Irun3dBi.msg, 157,909 bytes Irun3dBi.out, 365,785 bytes Irun3dBi.par, 10,176 bytes Irun3dBi.tec, 108,501 bytes Irun3di, 3,237 bytes

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Test	DTN Number	DTN Description/Title	Files in DTN
Alcove 8/Niche 3	LB0507A8N3SEEP.001	Niche 3 Seepage (03/26/03 to 01/29/04). Formal DTN title or description: NICHE 3 SEEPAGE LARGE PLOT TEST MARCH 26, 2003 TO JANUARY 29, 2004	LB0507A8N3SEEP.001ReadMenew.doc, 126,976 bytes N3 restart WC converted data Mon, Mar 31, 2003 14:42:18.csv, 5,378,636 bytes N3 restart WC converted data Sat, Dec 20, 2003 16:12:44.csv, 16,834,552 bytes N3 restart WC converted data Sat, Jan 24, 2004 16:03:49.csv, 3,121,771 bytes N3 restart WC converted data Thu, Aug 28, 2003 13:19:32.csv, 590,763 bytes N3 restart WC converted data Thu, May 01, 2003 08:16:51.csv, 266,730 bytes N3 restart WC converted data Tue, Aug 19, 2003 22:57:40.csv, 1,543,070 bytes N3 restart WC converted data Tue, Aug 26, 2003 05:54:40.csv, 4,856,127 bytes N3 restart WC converted data Tue, Nov 18, 2003 13:04:20.csv, 11,921,506 bytes N3 restart WC converted data Tue, Sep 09, 2003 15:46:58.csv, 2,645,322 bytes N3 restart WC converted data Wed, Apr 02, 2003 11:59:49.csv, 3,964,927 bytes N3 restart WC converted data Wed, Apr 30, 2003 15:23:03.csv, 1,443,197 bytes N3 restart WC converted data Wed, Aug 13, 2003 16:46:33.csv, 1,654,720 bytes N3 restart WC converted data Wed, Jul 30, 2003 22:59:39.csv, 9,918,592 bytes N3 restart WC converted data Wed, Mar 26, 2003 08:48:15.csv, 255,421 bytes N3 restart WC converted data Wed, May 21, 2003 08:42:52.csv, 2,933,205 bytes Niche3 Seepage Data 032603-012904.xls, 61,149,184 bytes
Alcove 8/Niche 3	LB0507A8N3SEEP.002	Niche 3 Seepage (01/29/04 to 09/22/04).	LB0507A8N3SEEP.002ReadMenew.doc, 118,784 bytes N3 restart WC converted data Fri, Apr 30, 2004 06:01:59.csv, 6,522,821 bytes N3 restart WC converted data Fri, Aug 13, 2004 11:29:52.csv, 7,938,442 bytes N3 restart WC converted data Mon, Aug 16, 2004 11:01:16.csv, 1,049,501 bytes N3 restart WC converted data Mon, Feb 09, 2004 13:00:23.csv, 2,836,729 bytes N3 restart WC converted data Mon, Jul 19, 2004 11:57:01.csv, 1,044,259 bytes N3 restart WC converted data Mon, Sep 13, 2004 12:11:23.csv, 438,690 bytes N3 restart WC converted data Sun, Apr 04, 2004 03:01:42.csv, 3,447,967 bytes N3 restart WC converted data Thu, Feb 05, 2004 11:52:16.csv, 1,437,096 bytes N3 restart WC converted data Thu, Jan 29, 2004 11:00:39.csv, 433,530 bytes N3 restart WC converted data Thu, Mar 11, 2004 09:16:01.csv, 13,477,258 bytes N3 restart WC converted data Thu, Mar 18, 2004 13:26:24.csv, 9,898,636 bytes N3 restart WC converted data Wed, May 19, 2004 06:07:39.csv, 2,719,920 bytes Niche 3 Seepage 012904-092204.xls, 39,833,600 bytes

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Alcove 8/Niche 3	LB0507A8N3SEEP.003	Niche 3 Seepage (9/22/04 to 1/07/05).	LB0507A8N3SEEP.003ReadMenew.doc, 134,144 bytes N3 restart WC converted data Fri, Nov 19, 2004 15:08:32.csv, 5,280,154 bytes N3 restart WC converted data Mon, Nov 01, 2004 14:57:46.csv, 69,486 bytes N3 restart WC converted data Mon, Nov 08, 2004 14:27:07.csv, 1,465,433 bytes N3 restart WC converted data Mon, Nov 15, 2004 15:33:34.csv, 1,393,670 bytes N3 restart WC converted data Mon, Nov 22, 2004 13:48:34.csv, 12,674,941 bytes N3 restart WC converted data Mon, Nov 29, 2004 12:43:32.csv, 1,527,721 bytes N3 restart WC converted data Mon, Oct 11, 2004 13:49:57.csv, 19,954,128 bytes N3 restart WC converted data Thu, Dec 02, 2004 14:21:56.csv, 8,593,071 bytes N3 restart WC converted data Thu, Nov 04, 2004 15:49:34.csv, 7,061,379 bytes N3 restart WC converted data Thu, Oct 28, 2004 15:08:31.csv, 7,197,365 bytes N3 restart WC converted data Tue, Nov 02, 2004 14:37:25.csv, 1,489,100 bytes N3 restart WC converted data Tue, Nov 09, 2004 14:50:01.csv, 10,759,554 bytes N3 restart WC converted data Tue, Nov 16, 2004 15:01:37.csv, 1,503,038 bytes N3 restart WC converted data Tue, Nov 30, 2004 15:57:57.csv, 1,444,646 bytes N3 restart WC converted data Tue, Oct 26, 2004 15:18:42.csv, 1,398,959 bytes N3 restart WC converted data Wed, Dec 01, 2004 15:49:43.csv, 1,289,543 bytes N3 restart WC converted data Wed, Nov 03, 2004 15:01:07.csv, 1,414,537 bytes N3 restart WC converted data Wed, Nov 17, 2004 15:44:42.csv, 1,694,006 bytes N3 restart WC converted data Wed, Oct 27, 2004 15:11:49.csv, 1,464,650 bytes Niche 3 Seepage 092204-010705.xls, 10,055,168 bytes

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Alcove 8/Niche 3	LB0602A8N3FTR0.001	Output data, from ANL-NBS-HS-000056 REV00. Formal DTN title or description: OUTPUT DATA FOR ANALYSIS OF ALCOVE 8/NICHE 3 LARGE-INFILTRATION-PLOT FLOW AND TRANSPORT TESTS, Oct 12, 2005 to Feb 24, 2006	dailyseepage.dat, 43,046 bytes Ftry1, 21,381,562 bytes Ftry1.out, 1,024,327 bytes Ftry1.sav, 3,562,503 bytes Ftry1i, 30,937 bytes Ftry1i.out, 774,915 bytes try, 21,381,562 bytes try.out, 1,651,567 bytes try1, 21,381,562 bytes try1.out, 1,704,340 bytes try1i, 30,902 bytes try1i.out, 968,584 bytes try1i.par, 14,116 bytes try1i.tec, 683,287 bytes tryi, 27,905 bytes tryi.out, 992,710 bytes tryi.par, 14,112 bytes tryi.tec, 658,717 bytes dailyseepage.dat, 43,046 bytes forwardSrunAflowc, 21,560,664 bytes forwardSrunAflowc.out, 1,139,515 bytes forwardSrunAflowc.sav, 3,562,503 bytes forwardSrunAflowci, 30,128 bytes forwardSrunAflowci.out, 774,722 bytes forwardSrunAflowci.par, 14,168 bytes forwardSrunAflowci.tec, 455,566 bytes SrunAflow, 21,560,660 bytes
Alcove 8/Niche 3	MO0002COV00064.000	Boreholes and niche as built. Formal DTN title or description: THIS COVERAGE CONTAINS POINT FEATURES OF ESF NICHE #3 AS-BUILT BOREHOLES (10-Feb-2000 to 17-Feb-2000)	nich3bores.e00.txt, 46,701 bytes
Alcove 8/Niche 3	MO0002GSC00064.000	Coverage for Niche 3 boreholes, point features. Formal DTN title or description: EXPLORATORY STUDIES FACILITIES (ESF) NICHE #3 (NICHE 3107) BOREHOLE AS-BUILT INFORMATION (17-Apr-1998 to 07-Dec-1999).	ni3bhab7.txt, 2,861 bytes
Alcove 8/Niche 3	MO0003GSC00103.000	Niche 3 profile alignment. Formal DTN title or description: EXPLORATORY STUDIES FACILITIES (ESF) NICHE 3 PROFILE ALIGNMENT, 02-Feb-1999 to 02-Feb-1999 INCLUSIVE	niche3.xls, 22,016 bytes
Alcove 8/Niche 3	MO0003COV00096.000	Coverage for Niche 3 profile alignment. Formal DTN title or description: POINT FEATURES OF CENTERLINE STATIONS FOR THE EXPLORATORY STUDIES FACILITY (ESF) NICHE #3 PROFILE ALIGNMENT (07-Mar-2000 to 10-Mar-2000)	nich3profs.e00.txt, 41,732 bytes

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LB0602A8N3FTR0.001	SrunAflowc, 21,560,664 bytes SrunAflowc.out, 1,908,447 bytes SrunAflowc.sav, 3,562,503 bytes SrunAflowci, 30,088 bytes SrunAflowci.out, 999,008 bytes SrunAflowci.par, 14,140 bytes SrunAflowci.tec, 683,287 bytes SrunAflowcitecReorganizedAMR, 683,346 bytes SrunAflowi, 32,140 bytes Ftry1incomp482198e8final.txt, 6,531,092 bytes Ftry1inconxls1of3.xls, 22,281,216 bytes Ftry1inconxls3of3.xls, 22,281,216 bytes incon4p8e7SrunAflowc.txt, 7,454,626 bytes inconxls1of3SrunAflowc.xls, 22,281,216 bytes inconxls3of3SrunAflowc.xls, 22,281,216 bytes A8N3_Tracer_Datav21d.xls, 1,691,648 bytes curveCalibflowcJan2206amr.lay, 411,568 bytes curveCalibflowcJan2206amr.wmf, 232,262 bytes DataLargePlot(Thru10182004)060905 (FINAL)v2.xls, 813,056 bytes DataLargePlotTracerFinal072205v2.xls, 134,656 bytes DataLrgPlotThru030104v2.xls, 1,147,392 bytes flowciJan2206.wmf, 241,826 bytes infilallQA.lay, 68,659 bytes infilallQA.wmf, 223,938 bytes infilQA.txt, 84,398 bytes infil-seeptotalQA.lay, 10,823 bytes infilseeptotalQA.wmf, 45,912 bytes	InfiltrationRatesltough.xls, 1,050,624 bytes LrgPlot_2_12_Datav2.xls, 120,832 bytes seepallQA.lay, 73,275 bytes seepallQa.wmf, 210,500 bytes seepplotQA.txt, 86,753 bytes SrunAflowciJan2206tecReorganizedAMR, 683,346 bytes try1CalibflowJan2306amr.lay, 413,021 bytes try1CalibflowJan2306amr.wmf, 232,250 bytes try1itecJan2306ReorganizedAMR.txt, 683,313 bytes tracerseepall1of2AMR.lay, 28,666 bytes tracerseepall1of2AMR.wmf, 71,904 bytes tracerseepall2of2AMR.lay, 28,930 bytes tracerseepall2of2AMR.wmf, 56,930 bytes tracerseepplotQAamr.txt, 24,586 bytes GASOBSDATTrun3dtracer245TFBAqa, 3,721,141 bytes GASOBSDATTrun3dtracer245TFBAqaHDf, 3,181,861 bytes Trun3dtracer245TFBAqa, 25,846,493 bytes Trun3dtracer245TFBAqa_outFeb17, 9,964,578 bytes Trun3dtracer245TFBAqaHDf, 25,846,491 bytes Trun3dtracer245TFBAqaHDf_outFeb25v4, 9,907,703 bytes GASOBSDATTrun3dtracer25DFBAqa, 3,459,205 bytes GASOBSDATTrun3dtracer25DFBqaHDf, 3,705,733 bytes Trun3dtracer25DFBAqa, 25,846,497 bytes Trun3dtracer25DFBAqa_outFeb17, 9,945,883 bytes Trun3dtracer25DFBqaHDf, 25,846,497 bytes Trun3dtracer25DFBqaHDf_outFeb22, 9,964,037 bytes GASOBSDATTrun3dtracer26DFBqaHDf, 3,181,861 bytes

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DTN Number	Files in DTN (continued)	Files in DTN (continued)
LB0602A8N3FTR0.001	GASOBSDATTrun3dtracer26DFBqaiter, 2,080,189 bytes GASOBSDATTrun3dtracer26DFBqalargeliteration, 11,556,109 bytes Trun3dtracer26DFBq, 25,846,507 bytes Trun3dtracer26DFBqa_outiter, 384,756 bytes Trun3dtracer26DFBqaHDf, 25,846,507 bytes Trun3dtracer26DFBqaHDf_outFeb25v3, 9,912,680 bytes Trun3dtracer26DFBqalargeliteration, 25,846,507 bytes Trun3dtracer26DFBqalargeliteration_out, 2,126,064 bytes GASOBSDATtry1Trun3dtracer245TFBAqa270iter, 2,111,005 bytes GASOBSDATtry1Trun3dtracer245TFBAqaHDf, 9,352,765 bytes GASOBSDATtry1Trun3dtracer245TFBAqalargeliteration, 11,556,109 bytes try1Trun3dtracer245TFBAqa, 25,657,093 bytes try1Trun3dtracer245TFBAqaHDf, 25,657,093 bytes try1Trun3dtracer245TFBAqaHDf_outFeb22, 10,691,945 bytes try1Trun3dtracer245TFBAqalargeliteration, 25,657,093 bytes y1Trun3dtracer245TFBAqalargeliteration_outFeb17, 1,328,390 bytes GASOBSDATtry1Trun3dtracer25DFBAqa, 3,690,325 bytes GASOBSDATtry1Trun3dtracer25DFBAqaHDf, 5,485,357 bytes try1Trun3dtracer25DFBAqa, 25,657,097 bytes try1Trun3dtracer25DFBAqa_outFeb17, 9,943,570 bytes try1Trun3dtracer25DFBAqaHDf, 25,657,097 bytes try1Trun3dtracer25DFBAqaHDf_outFeb25, 10,094,661 bytes GASOBSDATtry1Trun3dtracer26DFBAqa, 3,597,877 bytes GASOBSDATtry1Trun3dtracer26DFBAqaHDf, 2,865,997 bytes try1Trun3dtracer26DFBAqa, 25,657,112 bytes try1Trun3dtracer26DFBAqa_outFeb17, 9,933,169 bytes try1Trun3dtracer26DFBAqaHDf, 25,657,112 bytes	try1Trun3dtracer26DFBAqaHDf_outFeb17, 302,178 bytes GASOBSDATTrun3dtracerBrHdfqa, 3,875,221 bytes GASOBSDATTrun3dtracerBrqa, 3,875,221 bytes Trun3dtracerBrHdfqa, 25,846,080 bytes Trun3dtracerBrHdfqa_outFeb19, 10,037,210 bytes Trun3dtracerBrqa, 25,846,080 bytes Trun3dtracerBrqa_outFeb17, 10,037,135 bytes GASOBSDATTrun3dtracerFHDFqa, 3,204,973 bytes GASOBSDATTrun3dtracerFqa, 3,952,261 bytes Trun3dtracerFHDFqa, 25,846,060 bytes Trun3dtracerFHDFqa_outFeb17, 431,391 bytes Trun3dtracerFHDFqa_outFeb25, 9,911,878 bytes Trun3dtracerFqa, 25,846,060 bytes Trun3dtracerFqa_outFeb16, 9,981,517 bytes GASOBSDATTrun3dtracerlqa, 3,913,741 bytes GASOBSDATTrun3dtracerlqaHDf, 3,767,365 bytes Trun3dtracerlqa, 25,846,044 bytes Trun3dtracerlqa_outFeb17, 9,977,751 bytes Trun3dtracerlqaHDf, 25,846,044 bytes Trun3dtracerlqaHDf_outFeb17, 9,963,636 bytes GASOBSsortedTrun3dtracer245TFBAqaplot.txt, 3,621,972 bytes yrstodays245TFBA.xls, 5,348,864 bytes GASOBSsortedTrun3dtracer25DFBAqaplot.txt, 3,593,893 bytes yrstodays25DFBA.xls, 5,159,936 bytes GASOBSsortedTrun3dtracer26DFBqaiterplot.txt, 2,007,517 bytes yrstodays26DFBAqalters.xls, 4,444,672 bytes GASOBSsortedtry1Trun3dtracer245TFBAqa270iterplot.txt, 2,135,893 bytes

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LB0602A8N3FTR0.001	yrstodaystry1tracer245TFBA.xls, 4,261,376 bytes GASOBSSortedtry1Trun3dtracer25DFBAqaplot.txt, 3,764,532 bytes yrstodaystry1tracer25DFBA.xls, 5,303,296 bytes GASOBSSortedtry1Trun3dtracer26DFBAqaplot.txt, 3,670,401 bytes yrstodaystry1tracer26DFBA.xls, 5,244,928 bytes GASOBSSortedTrun3dtracerBrqaplot.txt, 3,771,736 bytes yrstodayBr.xls, 5,409,280 bytes GASOBSSortedTrun3dtracerFqaplot.txt, 3,743,000 bytes yrstodayF.xls, 5,449,216 bytes GASOBSSortedTrun3dtracer245TFBAqaplot.txt, 3,621,972 bytes GASOBSSortedTrun3dtracer25DFBAqaplot.txt, 3,593,893 bytes GASOBSSortedTrun3dtracer26DFBqaiterplot.txt, 2,007,517 bytes GASOBSSortedTrun3dtracerBrqaplot.txt, 3,771,736 bytes GASOBSSortedTrun3dtracerFqaplot.txt, 3,743,000 bytes GASOBSSortedTrun3dtracerlqaplot.txt, 3,662,784 bytes GASOBSSortedtry1Trun3dtracer245TFBAq270iterplot.txt, 2,135,893 bytes GASOBSSortedtry1Trun3dtracer25DFBAqaplot.txt, 3,764,532 bytes GASOBSSortedtry1Trun3dtracer26DFBAqaplot.txt, 3,670,401 bytes HDfcasePeakConcv2.xls, 4,342,784 bytes Tracerlplot1of2AMR.lay, 85,548 bytes Tracerlplot1of2AMR.wmf, 280,524 bytes Tracerlplot2of2AMRv2.lay, 85,812 bytes Tracerlplot2of2AMRv2.wmf, 206,916 bytes try1Tracer26DFBAplotAMR.lay, 86,357 bytes try1Tracer26DFBAplotAMR.wmf, 215,570 bytes GASOBSSortedTrun3dtracerlqaplot.txt, 3,662,784 bytes yrstodaysl.xls, 5,550,592 bytes Readme_LB0602A8N3FTR0.001.doc, 92,672 bytes

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Test	DTN Number	DTN Description/Title	Files in DTN
Alcove 8/Niche 3	MO0006GSC00241.000	Alcove 8 profile alignment. Formal DTN title or description: EXPLORATORY STUDIES FACILITY (ESF) ALCOVE 8, PROFILE ALIGNMENT, (20-Apr-2000)	alcove8.xls, 28,160 bytes
Alcove 8/Niche 3	MO0007COV00241.000	Coverage for Alcove 8 profile alignment. Formal DTN title or description: POINT FEATURES OF ESF ALCOVE #8, PROFILE ALIGNMENT CENTERLINE STATIONS (14-Jul-2000)	esfa8profs.e00.txt, 78,525 bytes
Alcove 8/Niche 3	MO0008GSC00269.000	As-built Alcove 8, boreholes # 1-7. Formal DTN title or description: AS-BUILT ECRB ALCOVE 8, CONSTRUCTION OBSERVATION ALCOVE(COA) - BOREHOLES (#1 THROUGH 7) May 25, 2000 to June 5, 2000	al8coabh.xls, 28,160 bytes
Alcove 8/Niche 3	MO0008COV00269.000	Coverage for Alcove 8, boreholes # 1-7. Formal DTN title or description: POINT FEATURES OF AS-BUILT ECRB ALCOVE #8, CONSTRUCTION OBSERVATION ALCOVE (COA) BOREHOLES, Aug 14, 2000 to Aug 14, 2000, inclusive	ecrb8coabrs.e00.txt, 44,762 bytes
Alcove 8/Niche 3	MO0112ECRBCOA8.002	Construction-water-balance summary. Formal DTN title or description: EXPLORATORY STUDIES FACILITY (ESF) ENHANCED CHARACTERIZATION OF THE REPOSITORY BLOCK (ECRB) CROSS OVER ALCOVE 8 WATER BALANCE ON 10-METER BASELINE, Oct 3, 1999 to July 30, 2000.	s02030_001_001.pdf, 9,067 bytes
Alcove 8/Niche 3	MO0205UCC009IF.001	Penta-Fluorobenzoic Acid (PFBA) tracer in seepage, 9/27/01 to 3/25/02.	Final Tracer Data Task 9 PFBA.xls, 101,376 bytes
Alcove 8/Niche 3	MO0205UCC009IF.002	Bromide tracer in seepage, 9/27/01 to 3/25/02. Formal DTN title or description: MICROSOFT EXCEL 2000 SPREADSHEET CONTAINING CONCENTRATION DATA FOR THE TRACER BROMIDE IN SAMPLES COLLECTED FROM NICHE 3 DURING THE PERIOD 09/27/01-03/25/02	Final Tracer Data Task 9 Bromide.xls, 118,272 bytes
Alcove 8/Niche 3	MO0210UCC035IF.001	PFBA and bromide tracers in seepage, 4/8/02 to 6/10/02. Formal DTN title or description: MICROSOFT EXCEL 2000 SPREADSHEET CONTAINING CONCENTRATION DATA FOR THE BROMIDE AND PENTAFLUOROBENZOIC ACID (PFBA) TRACERS IN SAMPLES COLLECTED FROM NICHE 3 DURING THE PERIOD 4/08/02 - 6/10/02.	Task 35 final tracer data 12Sept02.xls, 28,672 bytes
Alcove 8/Niche 3	MO0307UCC035IF.002	Dyes, PFBA, Br, F, Cl, NO3, and SO4 tracers in seepage samples, 6/20/02 to 2/24/03.	HRC Alcove 8_Niche 3 tracer data.xls, 39,424 bytes
Alcove 8/Niche 3	MO0307UCC035TJ.001	Major cations in seepage, 9/24/02 to 2/11/03. Formal DTN title or description: CONCENTRATION DATA SET FOR CALCIUM, MAGNESIUM, SODIUM, AND POTASSIUM IN SAMPLES COLLECTED AT ALCOVE 8 / NICHE 3 DURING THE PERIOD 09/24/02 - 02/11/03.	HRC Alcove 8_Niche 3 Major cation data.xls, 18,944 bytes
Alcove 8/Niche 3	MO0310UCC035IF.003	Precision data set for tracers (dyes and PFBA), 6/20/02 to 2/24/03.	Task 35 precision data.xls, 24,576 bytes

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Test	DTN Number	DTN Description/Title	Files in DTN
Alcove 8/Niche 3	MO0506AL8NEU01.000	Neutron logs of boreholes from Alcove 8, 1/8/04 to 4/1/05.	m3052504.TXT, 5,493 bytes m3052604.TXT, 8,775 bytes m3102804.txt, 12,876 bytes s05075_001_001.pdf, 5,960 bytes
Alcove 8/Niche 3	MO0511UCC011JB.001	Cations and anions in background samples, 5/04 to 10/04. Formal DTN title or description: CONCENTRATIONS OF FLUORIDE, CHLORIDE, SULFATE, BROMIDE, NITRATE, SODIUM, POTASSIUM, MAGNESIUM AND CALCIUM IN ALCOVE 8/NICHE 3 BACKGROUND SAMPLES COLLECTED TO MONITOR BASELINE CONCENTRATIONS OF MAJOR ANIONS AND CATIONS COLLECTED FROM 5/2004 THROUGH 10/2004	A8N3 Anions and Cations Background.xls, 40,448 bytes
Alcove 8/Niche 3	MO0511UCC011JB.002	Fluoride, Bromide, Iodide, Difluorobenzoic acid (2,6 DFBA), 2,5 Difluorobenzoic acid (2,5 DFBA), and 2,4,5 Trifluorobenzoic acid (2,4,5 TFBA) concentration data for the Alcove 8/Niche 3 tracer test for samples collected 10/03 through 12/04.	A8N3 Tracer Data.xls, 177,152 bytes
Alcove 8/Niche 3	MO0511UCC011TJ.002	Major cations from water samples from Alcove 8/Niche 3, 8/5/03 to 1/5/05.	A8N32004a.xls, 47,104 bytes
Alcove 6	GS970208312231.003	Physical properties, water content, tension from borehole samples. 06-nov-1996 to 21-jan-1997	zz_sep_301700.txt (File generated from database table S97214_001 DATA REPORT), 38,899 bytes
Alcove 6	GS970283122410.002	Gas and water chemistry for several boreholes. Formal DTN title or description: GAS AND WATER CHEMISTRY DATA FROM SAMPLES COLLECTED AT BOREHOLES UE-25 NRG#5 AND USW SD-7 ON YUCCA MOUNTAIN, ALCOVE 5, AND BOREHOLE ESF-NAD-GTB#1A IN ALCOVE 6, ESF, BETWEEN 8-11-96 AND 1-14-97	zz_sep_301708.txt (File generated from database table S97230_001 DATA REPORT), 1,944 bytes
Alcove 6	GS980908312242.029	Physical and hydrological properties from 2 boreholes. Formal DTN title or description: PHYSICAL AND HYDROLOGIC PROPERTIES OF BOREHOLE CORE SAMPLES FROM ESF-NDR-MF#1, ESF-NDR-MF#2 AND ESF-NDR-MF#4 IN ALCOVE 6 OF THE ESF (23-feb-1998 to 14-apr-1998)	zz_sep_301745.txt (File generated from database table S98378_001 DATA REPORT), 65,987 bytes
Alcove 6	LB990901233124.001	Breakthrough data, seepage data, measurement locations. Formal DTN title or description: ALCOVE 6 TRACER TESTS: THE BREAKTHROUGH OF TRACERS, RELATING TO THE VOLUME AND THE MEASURED TRACER CONCENTRATION OF THE COLLECTED LIQUID AT FOUR COLLECTION TRAYS IN ALCOVE 6 EXPERIMENTS. AMR U0015, "IN SITU FIELD TESTING OF PROCESSES," ANL-NBS-HS-000005, MOL.19990721.0522. SR/LA SUPPORTING DATA. (21-jul-1998 to 12-jan-1999)	zz_sep_301746.txt (File generated from database table S99490_001 DATA REPORT), 25,143 bytes
Alcove 6	LB990901233124.002	Flow, electrical resistance, water injection, intake rate, tension. Formal DTN title or description: ALCOVE 6 FLOW DATA, INCLUDING ELECTRICAL RESISTANCE, WATER INJECTION, INTAKE RATE, AND WATER POTENTIAL MEASUREMENTS. AMR U0015, "IN SITU FIELD TESTING OF PROCESSES," ANL-NBS-HS-000005, MOL.19990721.0522. SR/LA SUPPORTING DATA. (17-jul-1998 to 24-sep-1998)	zz_sep_301747.txt (File generated from database table S00019_001 DATA REPORT), 6,398,059 bytes

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Test	DTN Number	DTN Description/Title	Files in DTN
Alcove 6	LB990901233124.004	Air permeability, cross-hole connectivity, for several niches. Formal DTN title or description: PNEUMATIC PRESSURE AND AIR PERMEABILITY DATA FROM NICHE 4788 (NICHE 4), ALCOVE 4, AND ALCOVE 6 OF THE ESF; THIS DATA SET ALSO INCLUDES STATISTICAL ANALYSES OF AIR PERMEABILITY DATA FROM NICHES 3650, 3107, AND 4788, AS WELL AS ALCOVES 4 AND 6. AMR U0015, "IN SITU TESTING OF FIELD PROCESSES," ANL-NBS-HS-000005, MOL.19990721.0522. SR/LA SUPPORTING DATA. (24-jun-1998 to 30-jul-1998)	zz_sep_301748.txt (File generated from database table S00017_001 DATA REPORT), 5,835 bytes
Alcove 6	MO0312SEPSDBTV.000	Statistics of type-curve analysis for cross-hole injection testing. Formal DTN title or description: STATISTICAL SUMMARY OF PERMEABILITY VALUES FROM THE TYPE-CURVE ANALYTICAL SOLUTIONS OF CROSSHOLE AIR-INJECTION TESTING OF THE NORTHERN GHOST DANCE FAULT DRILL ROOM BOREHOLES, ALCOVE 6 (01-jan-1990 to 30-dec-2001)	316017.pdf, 6,535 bytes s03436_001_001.pdf, 17,149 bytes
Alcove 6	MO9901COV98641.000	ArcView archive of coverage containing point features. Formal DTN title or description: COVERAGE: AL6MAPPTS - THIS COVERAGE CONTAINS POINT FEATURES OF ESF ALCOVE 6 DLS GEOLOGIC MAPPING POINTS (23-Dec-1998 to 04-Jan-1999)	al6mappts.e00 of 112,071 bytes
Alcove 1	GS000308312242.002	Phase 1 of water collection in Alcove 1, from 5/5/98 to 8/27/98. Formal DTN title or description: PHASE 1 OF WATER COLLECTION IN ALCOVE 1, FROM 5/5/98 TO 8/27/98.	zz_sep_301751.txt (file generated from database table S00194_001 DATA REPORT), 143,589 bytes zz_sep_306088.txt (file generated from database table S00194_002 DATA REPORT), 4,057 bytes.
Alcove 1	GS000399991221.003	Preliminary Alcove 1 infiltration experimental data. Formal DTN title or description: PRELIMINARY ALCOVE 1 INFILTRATION EXPERIMENT DATA (Feb 19, 1999 to Dec 15, 1999)	MOL.20000118.0092.pdf, 308,948 bytes
Alcove 1	GS000708312231.008	Temperature and relative humidity for Alcove 1 surface station 10/13/98 to 12/31/99.	zz_sep_301752.txt (File generated from database table S00411_001 DATA REPORT), 449,351 bytes
Alcove 1	GS000708312231.009	Temperature, relative humidity, and barometric pressure measured in Alcove 1 from 10/13/98 to 12/31/99. Formal DTN title or description: TEMPERATURE, RELATIVE HUMIDITY, AND BAROMETRIC PRESSURE MEASURED IN ALCOVE 1, 12/13/98 TO 12/31/99.	zz_sep_301753.txt (file generated from database table S00408_001 DATA REPORT), 158,042 bytes
Alcove 1	GS000808312242.006	Pulse-flow-meter data for the Alcove 1 infiltration experiment, from 2/19/99 to 6/20/00.	zz_sep_301755.txt (File generated from database table S00410_001 DATA REPORT), 158,042 bytes
Alcove 1	GS000808312242.008	Temperature and relative humidity for Alcove 1 surface station, 1/1/00 to 7/9/00.	zz_sep_301762.txt (File generated from database table S01045_001 DATA REPORT), 198,789 bytes
Alcove 1	GS001108312242.009	Tracer data for the Alcove 1 infiltration experiment, Phase II 5/09/99 to 7/05/00.	zz_sep_301763.txt (File generated from database table S01021_001 DATA REPORT), 18,303 bytes
Alcove 1	GS040108312232.001	Shut-in pressure monitoring data from the radial boreholes in Alcove 1, 4/95; and Tritium data from borehole ESF-AL#2-HPF#1, in Alcove 2.	AL1RBT1.xls, 275,456 bytes AL1RBT2.xls, 240,128 bytes AL1RBT3.xls, 237,568 bytes README.doc, 23,552 bytes TRITIUM.XLS, 37,376 bytes
Alcove 1	GS990108312242.004	Temperature, relative humidity, and barometric pressure measured in Alcove 1 from 11/20/97 to 12/12/98.	zz_sep_301771.txt (File generated from database table S00101_001 DATA REPORT), 327,493 bytes

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Test	DTN Number	DTN Description/Title	Files in DTN
Alcove 1	GS990108312242.006	Pulse-flow-meter data for the Alcove 1 infiltration experiment, from 3/8/98 to 12/4/98.	zz_sep_302000.txt (File generated from database table S00100_001 DATA REPORT), 539,687 bytes
Alcove 1	GS990908312242.009	Temperature and relative humidity for surface Alcove 1, 3/98-10/98.	zz_sep_301773.txt (File generated from database table S99452_001 DATA REPORT), 282,401 bytes
Alcove 1	MO0005GSC00216.000	Alcove 1, Profile alignment. Formal DTN title or description: EXPLORATORY STUDIES FACILITY (ESF) ALCOVE 1, PROFILE ALIGNMENT (27-Jan-2000 to 28-Feb-2000)	alcove1.xls, 18,944 bytes
Alcove 1	MO0006COV00216.000	Coverage: ESFA1PROFS. Formal DTN title or description: THIS COVERAGE CONTAINS POINT FEATURES OF CENTERLINE STATIONS FOR EXPLORATORY STUDIES FACILITY, ALCOVE 1 PROFILE ALIGNMENT (31-May-2000 to 31-May-2000)	esfa1profs.e00.txt, 33,686 bytes
Alcove 1	MO0109HYMXPROP.000	Data qualification report: Matrix hydrologic properties and Alcove 1 infiltration-rate data for use on the Yucca Mountain project. Formal DTN title or description: DATA QUALIFICATION: MATRIX HYDROLOGICAL PROPERTIES AND ALCOVE 1 INFILTRATION-RATE DATA FOR USE ON THE YUCCA MOUNTAIN PROJECT 01-Jun-2001 to 05-Sep-2001	Note that MO0109HYMXPROP.000 contains a data qualification report. The product output from this qualification report (i.e., the actual data) is contained in two files in MO0109HYMXPROP.001. For completeness sake, both DTNs are included on the DVD. The folder for MO0109HYMXPROP.000 contains the following: TDR-NBS-HS-000014 REV 00_Data Qual Rpt.pdf, 3,739,278 bytes The folder for MO0109HYMXPROP.001 contains the two files below: Minerology CHECK.xls, 1,522,688 bytes Rock Prop CHECK.doc, 107,520 bytes
	MO0109HYMXPROP.001	Formal DTN title or description for MO0109HYMXPROP.001: MATRIX HYDROLOGIC PROPERTIES DATA	
Alcove 1	MO0312SEPSDAPM.000	Statistical summaries of air-permeability data by lithostratigraphic and hydrogeologic unit, and for the bow ridge fault. Formal DTN title or description: STATISTICAL SUMMARIES OF AIR-PERMEABILITY DATA BY LITHOSTRATIGRAPHIC AND HYDROGEOLOGIC UNIT AND FOR THE BOW RIDGE FAULT (01-Jan-1992 to 30-Dec-1998)	316936.pdf, 34,088 bytes
Alcove 1	SN0409T0507804.005	Input permeabilities for the submodel denoted H104. Formal DTN title or description: INPUT PERMEABILITIES FOR THE SUBMODEL DENOTED H104. (June 10, 2004 to July 30, 2004)	Scaling permeabilities for U0010(2).xls, 243,200 bytes
ESF Tunnel	GS030808312231.004	Temperature, relative humidity, and wind speed at 5 locations in Tunnel, 8/00 through 7/02.	README FILE.doc, 23,040 bytes Trh03_02HydroData.xls 13,986,816 bytes Trh04_02HydroData.xls, 15,833,088 bytes Trh07_02HydroData.xls, 16,137,728 bytes Trh09_02HydroData.xls, 13,117,440 bytes Trh10_02HydroData.xls, 16,297,472 bytes