

NUCLEAR WASTE CONSULTANTS INC.

8341 So. Sangre de Cristo Rd., Suite 14  
Littleton, Colorado 80127  
(303) 973-7495

WM DOCKET CONTROL  
CENTER

D1021

PDR-1  
LPDR - Wm-10 (2)  
Wm-11 (2)  
Wm-16 (2)

'87 MAY -1 P12:07

April 25, 1987

009/PM/NWC.009  
RS-NMS-85-009  
Communication No. 153

U.S. Nuclear Regulatory Commission  
Division of Waste Management  
Geotechnical Branch  
MS-623-SS  
Washington, DC 20555

Attention: Mr. Jeff Pohle, Project Officer  
Technical Assistance in Hydrogeology - Project B (RS-NMS-85-009)

Re: NWC Groundwater Travel Time Document Holdings

Dear Mr. Pohle:

This letter transmits to you a listing of our current library holdings having to do with groundwater travel time. This information was requested by Mr. T. Verma from Mr. Adrian Brown during a recent conversation. A copy of this information has been sent to Mr. Verma directly.

If you have any questions concerning this letter or the attached report, please contact me immediately.

Respectfully submitted,  
NUCLEAR WASTE CONSULTANTS, INC.

  
Barbara Basse

Att: NWC Groundwater Travel Time Library Holdings

cc: US NRC - Director, NMSS (ATTN: PSB)  
DWM (ATTN: Division Director) - 2  
Mary Little, Contract Administrator  
WGMT (ATTN: Branch Chief)  
Mr. Teak Verma  
Mr. Neil Coleman

M. Galloway, TTI

WM-RES  
WM Record File  
D1021  
NWCI

WM Project 10, 11, 16  
Docket No. \_\_\_\_\_  
PDR ✓  
XLPDR ✓ (B, N, S)

Distribution:

Pohle

8706030003 870425  
PDR WMRES EECNWC1  
D-1021 PDR

3816

87050016

H

NUCLEAR WASTE CONSULTANTS  
BWIP LIBRARY INVENTORY  
APRIL 22, 1987

CLIFTON, P.M., GROUNDWATER TRAVEL TIME UNCERTAINTY ANALYSIS --  
SENSITIVITY OF RESULTS TO MODEL GEOMETRY, AND CORRELATIONS AND CROSS  
CORRELATIONS AMONG INPUT PARAMETERS (2 COPIES) (85/03)  
RHO-BW-ST-70P NWC #: 1140

CLIFTON, P.M., STOCHASTIC GROUNDWATER TRAVELTIME MODELING USING A  
MONTE CARLO TECHNIQUE (84/03)  
RHO-BW-SA-366P NWC #: 1141

ARNETT, R.C., CALCULATION OF GROUNDWATER TRAVEL TIME: A COMPARISON OF  
SIMPLE, HAND METHODS WITH MORE COMPLEX DETERMINISTIC AND STOCHASTIC  
METHODS (84/12)  
SD-BWI-TA-014 NWC #: 1256

CLIFTON, P.M., GROUNDWATER TRAVEL TIME UNCERTAINTY ANALYSIS -  
SENSITIVITY OF RESULTS TO MODEL GEOMETRY, AND CORRELATIONS AND  
CROSS CORRELATIONS AMONG INPUT PARAMETERS (84/12)  
SD-BWI-TI-256 NWC #: 1257

CLIFTON, P.M., PRELIMINARY UNCERTAINTY ANALYSIS OF PRE-WASTE  
EMPLACEMENT GROUNDWATER TRAVEL TIMES FOR A PROPOSED REPOSITORY IN  
BASALT (84/12)  
SD-BWI-TA-013 NWC #: 1258

CLIFTON, P.M., STOCHASTIC ANALYSIS OF GROUNDWATER TRAVELTIME FOR  
LONG-TERM DEPOSITORY PERFORMANCE ASSESSMENT (2 COPIES) (83/11)  
RHO-BW-SA-323P NWC #: 1259

CODELL, R., DRAFT GENERIC TECHNICAL POSITION ON GROUNDWATER TRAVEL  
TIME (GWTT) (85/11)  
GWTT/DUP7 NWC #: 1353

CODELL, R., DRAFT GENERIC TECHNICAL POSITION ON GROUNDWATER TRAVEL  
TIME  
DRAFT GENERIC TECHNICAL POSITION: INTERPRETATION AND IDENTIFICATION OF  
THE EXTENT OF THE DISTURBED ZONE... (10 CFR 60)W/REVIEW (85/11)  
NWC #: 1531

THOMPSON, B.M., PTRACK: A PARTICLE TRACKING PROGRAM FOR EVALUATING  
TRAVEL PATH/TRAVEL TIME UNCERTAINTIES - SCEPTER DOCUMENTATION AND  
USER'S MANUAL (85/11)  
ONWI/E512-02900/CD-27 NWC #: 1622

ANDREWS, R.W., TRAVEL PATH/TRAVEL TIME UNCERTAINTIES AT SALT SITES  
PROPOSED FOR HIGH LEVEL WASTE REPOSITORIES (85/11)  
ONWI/E512-02900/TR-36 NWC #: 1623

CLIFTON, P.M., GROUNDWATER TRAVEL TIME ANALYSIS FOR THE REFERENCE  
REPOSITORY LOCATION AT THE HANFORD SITE (86/01)  
SD-BWI-TI-303 NWC #: 1656

NUCLEAR WASTE CONSULTANTS  
BWIP LIBRARY INVENTORY  
APRIL 22, 1987

KRAEGER-ROVEY, C., REVIEW OF GROUNDWATER TRAVEL TIME ANALYSIS FOR THE  
REFERENCE REPOSITORY LOCATION AT THE HANFORD SITE (SD-BWI-TI-303) W/  
ATT. NRC COMMENT(10/86) (86/06)  
SD-BWI-TI-303 NWC #: 1697

WINTERS, G.V., REVIEW: GROUNDWATER TRAVEL TIME ANALYSIS FOR THE  
REFERENCE REPOSITORY LOCATION AT THE HANFORD SITE  
(SD-BWI-TI-303) (86/05)  
SD-BWI-TI-303 NWC #: 1703

DAVIS, L.A., REVIEWS OF: "THE EFFECT OF PERCOLATION RATE ON  
WATER-TRAVEL..."  
FLUID FLOW IN A FRACTURED ROCK MASS"  
"PRELIMINARY BOUNDS ON THE EXPECTED POSTCLOSURE PERFORMANCE OF THE  
YUCCA..." (86/07)  
SAND85-0845C,-0855, 84-1492 NWC #: 1714

CODELL, R., MAJOR COMMENTS ON GROUNDWATER TRAVEL TIME AND RADIONUCLIDE  
TRANSPORT INCREASE DUE TO CHANGES IN GEOHYDROLOGIC AND  
CLIMATIC....-(DRAFT EA MAJOR COMMENTS 1 & 8),FEA-YUCCA MOUNTAIN, NEVADA  
(86/07)  
NWC #: 1725

ELZEFTAWY, A., FEA MAJOR COMMENTS ON GROUNDWATER TRAVEL TIME AND THE  
NATURE AND RATES OF QUATERNARY HYDROLOGIC PROCESSES FOR DAVIS CANYON  
SITE, UTAH(DRAFT EA MAJOR COMMENTS #1 AND #4) (86/07)  
NWC #: 1728

ROSS, F., FEA MAJOR COMMENTS ON GROUNDWATER TRAVEL TIME AND THE NATURE  
AND RATES OF QUATERNARY HYDROLOGIC PROCESSES(DRAFT EA MAJOR COMMENTS #1  
AND ?)  
DEAF SMITH COUNTY, TEXAS (86/07)  
NWC #: 1729

NRC, , DRAFT GENERIC POSTION ON GROUNDWATER TRAVEL TIME W/REVIEW  
(86/06)  
GWTT NWC #: 1746

WILLIAMS AND ASSOC., , TWO DOCUMENTS: "UNCERTAINTY" IN UNCERTAINTY  
ANALYSIS OF GROUNDWATER TRAVEL TIMES  
PROCEDURES FOR PREDICTING GROUNDWATER TRAVELTIME  
(2 COPIES) (86/08)  
FIN D-1020 COMM #73&74 NWC #: 1747

LOGSDON, M.J., REVIEWS OF WILLIAMS AND ASSOCIATES' PAPERS ON  
UNCERTAINTY AND GROUNDWATER TRAVEL TIME (86/10)  
009/TASK 5/NWC.007 NWC #: 1774

NUCLEAR WASTE CONSULTANTS  
BWIP LIBRARY INVENTORY  
APRIL 22, 1987

DAVIS, L., REVIEW OF "PRELIMINARY ESTIMATES OF GROUNDWATER TRAVEL TIME  
AND RADIONUCLIDE TRANSPORT AT THE YUCCA MOUNTAIN REPOSITORY SITE" BY  
SINNOCK ET AL (86/10)  
SAND85-2701

009/1.3/WWL.006 NWC #: 1795

STEPHENS, D.B., ANALYSIS OF UNCERTAINTY IN PREDICTION OF TRAVEL PATH  
AND TRAVEL TIME (86/09)

009/TASK 5 NWC #: 1816

JP, , WORK PLAN: PRE-WASTE EMPLACEMENT GROUNDWATER TRAVEL TIME  
(86/05)

WORK PLAN/JP/86/05/09 NWC #: 1843

BROWN, A., RE-REVIEW OF CLIFTON'S GROUNDWATER TRAVEL TIME EVALUATION  
(87/01)

009/2.3/NWC.002 NWC #: 1858

LOUX, R.R., LETTER TO J.J. LINEHAN RE: COMMENTS ON DRAFT GENERIC  
TECHNICAL POSITIONS "INTERPRETATION AND IDENTIFICATION OF THE DISTURBED  
ZONE..." AND "GROUNDWATER TRAVEL TIME" (86/10)

NWC #: 1876