

CONVERSATION RECORD

TIME 1:30 PM

DATE 12/12/85

TYPE		ROUTING	
<input type="checkbox"/> VISIT	<input type="checkbox"/> CONFERENCE	<input checked="" type="checkbox"/> TELEPHONE	
Location of Visit/Conference:		<input checked="" type="checkbox"/> INCOMING	<input type="checkbox"/> OUTGOING
NAME OF PERSON(S) CONTACTED OR IN CONTACT WITH YOU	ORGANIZATION (Office, dept., bureau, etc.)	TELEPHONE NO.	NAME/SYMBOL
Kang Kun (Roger) Wu	DOE/SRPO	976-5916	T Johnson
SUBJECT	Proposed Salt Waste Package Workshop JAN 22-24, 1986		R Johnson
			C Peterson
			L Luther

SUMMARY

Conversation with Roger Wu (SRPO), John Carr (ONWI), Matt Golis (ONWI)

(1) DOE wants to add two reports to "DOE Reports in Process" list. These are (a) Waste Package Performance Assessment Document and (b) Engineering Review Group Selection of Candidate Barrier Materials

(2) I suggested adding several other possible DOE reports including (a) Multifactor Test Design to Investigate Uniform Corrosion of Low-Carbon Steel (b) MRS Common Canister Evaluation Report (c) Generic Waste Acceptance Specifications (d) Waste Package Program Plan.

None of the suggestions were accepted because they are still in draft and/or are a DOE/HQ effort with input from DOE/SRPO.

Wu defined "DOE Reports in Process" as reports already reviewed, for which comments have been resolved and only printing/patent review remain.

(3) I asked for DOE's proposed attendee list - SRPO will provide in draft.

ACTION REQUIRED

SEE NEXT PAGE

NAME OF PERSON DOCUMENTING CONVERSATION	SIGNATURE	DATE
John Voglweide	John C. Voglweide	12/13/85

ACTION TAKEN	WM Record File	WM Project
	106	16
		Docket No.

SIGNATURE	TITLE	DATE
		LPDR

8705070313 851213
PDR WASTE
WM-16 PDR

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- (4) I committed to add function to NRC proposed attendee list and asked DOE to do the same.
- (5) Tek Verma added to attendee list. BCL contractors dropped (for the moment) from the list.
- (6) I committed to add priority indication to NRC bibliography list and asked DOE to do the same.
- (7) I asked DOE to structure presentation toward recent changes rather than technical overview. For example, don't describe WAPPA. Indicate where it is described and discuss changes made since description was published. DOE stated that that was their intent.
- (8) DOE will try to consolidate DOE and NRC objectives into one unit.
- (9) DOE/NRC will exchange all documents listed in their respective bibliographies.
- (10) DOE has used NRC list of concerns as check list for material to be presented. NRC will attempt to prioritize this list.

We and I will exchange memos and dialog as necessary to achieve mutually - acceptable description of meeting.

DOE/NRC SALT WASTE PACKAGE WORKSHOP
 January 22-24, 1985
 Columbus, Ohio

PROPOSED NRC STAFF AND CONTRACTOR ATTENDANCE

Bilhorn, Susan	NRC/WMRP Waste Management Repository Projects Branch Quality Assurance Section / Salt Team
Birchard, George	NRC/RES/WM Office of Nuclear Regulatory Research Waste Management Branch
Cialone, Henry	Battelle Columbus Laboratory
Interrante, Charles	National Bureau of Standards Contractor to NRC/WMEG
Jacobs, Gary	Oak Ridge National Laboratory Contractor to NRC/WMEG
Johnson, Robert	NRC/WMRP Waste Management Repository Projects Branch Projects Section, Salt Team Leader
Johnson, Timothy	NRC/WMEG Waste Management Engineering Branch Design Section Leader
Kaufman, Michael	National Bureau of Standards Contractor to NRC/WMEG
Kelly, Walton	NRC/WMEG Waste Management Geotechnical Branch Geochemistry Section / Salt Team
Markworth, Alan	Battelle Columbus Laboratory
McNeil, Michael	NRC/RES/WM Office of Nuclear Regulatory Research Waste Management Branch
Peterson, Charles	NRC/WMEG Waste Management Engineering Branch Materials Section / Salt Team
Soo, Peter	Brookhaven National Laboratory Contractor to NRC/WMEG
Stephens, Kenneth	Aerospace Corporation Contractor to NRC/WMEG
Tokar, Michael	NRC/WMEG Waste Management Engineering Branch Design Section leader
Voglewede, John	NRC/WMEG Waste Management Engineering Branch Materials Section / Salt Team
Verma, Telak	NRC/WM NRC Onsite Representative - SRPO

DOE/NRC WASTE PACKAGE WORKSHOP

Listing of NRC Reports Applicable to the Workshop

Published Reports

- * ATR-85(5810-01)-1ND K. Stephens et al., Methodologies for Assessing Long-Term Performance of High-Level Radioactive Waste Packages, Aerospace Corporation Report, May 1985.
- * BNL Letter Report T.M. Sullivan, Estimates of the Maximum Permissible Fractional Number of High Level Waste Container Failures and Failure Rates That Allow Post Containment Radionuclide Release Criteria to be Met During the Containment Period, Brookhaven National Laboratory Informal Report, October 1985. [Transmitted by T. Sullivan (BNL) letter to E.A. Wick (NRC) dated October 16, 1985.]
- * ONE OF THESE { NRC Staff Report [Draft] "Draft Site Issues for Waste Package," [Draft] Issue-Oriented Site Technical Position (ISTP) for Salt Repository Project (SRP), Permian Basin Sites, September 1984. [Transmitted by H.J. Miller (NRC) letter to W.J. Purcell (DOE) dated November 2, 1984].
- { NRC Staff Report [Draft] "Draft Site Issues for Waste Package," [Draft] Issue-Oriented Site Technical Position (ISTP) for Salt Repository Project (SRP), Gulf Coast Dome Sites, September 1984. [Transmitted by H.J. Miller (NRC) letter to W.J. Purcell (DOE) dated November 2, 1984].
- { NRC Staff Report [Draft] "Draft Site Issues for Waste Package," [Draft] Issue-Oriented Site Technical Position (ISTP) for Salt Repository Project (SRP), Paradox Basin Sites, September 1984. [Transmitted by H.J. Miller (NRC) letter to W.J. Purcell (DOE) dated November 2, 1984].
- * NRC Staff Report [Meeting Presentation] E.A. Wick, "How Reliable Does The Waste Package Have To Be?," Proceedings of the Workshop on the Source TERM for Radionuclide Migration From High-Level Waste or Spent Nuclear Fuel Under Realistic Repository Conditions, Albuquerque, NM, November 13-15, 1984 (Published July 1985).
- NRC Staff Report Draft Generic Technical Position on Waste Package Reliability. [Transmitted by J.T. Greeves (NRC) memorandum to M.R. Knapp (NRC) and H.J. Miller (NRC) dated August 27, 1985.
- NRC Staff Report Draft Generic Technical Position on Licensing Assessment Methodology for HI.W Geologic Repositories, July 1984.

Volume 3, "April 1982 - September 1982,"
March 1983.
Volume 4, "October 1982 - March 1983,"
September 1983.
Volume 5, "April 1983 - September 1983,"
August 1984.
Volume 6, "October 1983 - March 1984,"
March 1985.
Volume 7, "April 1984 - September 1984,"
March 1985.

NUREG/CR-2737

Evaluation of Bulk Properties of Radwaste Glass and Ceramic Container Materials to Determine Long-Term Stability, Catholic University of America Report, June 1982.

NUREG/CR-2755
(BNL-NUREG-51544)

Packing Material Testing Required to Demonstrate Compliance with 1000-Year Radionuclide Containment: Semiannual Report on Waste Package Verification Tests, Brookhaven National Laboratory Report, January 1983.

* NUREG/CR-3091
(BNL-NUREG-51630)

Review of Waste Package Verification Tests, Brookhaven National Laboratory Report,
Volume 1, Semiannual Report Covering the Period April 1982 - September 1982, April 1983.
Volume 2, Semiannual Report Covering the Period October 1982 - March 1983, August 1983.
Volume 3, Semiannual Report Covering the Period April 1983 - September 1983, February 1984.
Volume 4, Semiannual Report Covering the Period October 1983 - March 1984, June 1985.
Volume 5, Semiannual Report Covering the Period April 1984 - September 1984, June 1985.
Volume 6, Semiannual Report Covering the Period October 1984 - March 1985, July 1985.

NUREG/CR-3187
(BNL-NUREG-51653)-

Crevice Corrosion of Titanium Alloy TiCode-12 in Simulated Rock Salt Brine at 150°C, Brookhaven National Laboratory Report, March 1983.

* NUREG/CR-3219
(BNL-NUREG-51658)
Volume 1

Draft Technical Position Subtask 1.1: Waste Package Performance After Repository Closure, Brookhaven National Laboratory Report, August 1983.

NUREG/CR-3219
(BNL-NUREG-51658)
Volume 2

Draft Technical Position Subtask 1.2: Post-Emplacement Monitoring, Brookhaven National Laboratory Report, May 1983.

NUREG/CR-3282
(BNL-NUREG-51671)

Internal Hydrogen Embrittlement of Titanium Alloy TiCode-12 at Room Temperature, Brookhaven National Laboratory Report, May 1983.

READ CONCLUSIONS AND
RECOMMENDATIONS OF EACH
SECTION OF EACH REPORT.

- NUREG-0279 Determination of Performance Criteria for High-Level Solidified Nuclear Waste, Lawrence Livermore Laboratory Report, July 1977.
- NUREG/CP-0005 Proceedings of Conference on High-Level Radioactive Solid Waste Forms, Denver, CO, December 19-21, 1978.
- NUREG/CR-0895 Solidification of High-Level Radioactive Wastes, National Academy of Engineering Report, National Academy of Sciences, July 1979.
- NUREG/CR-2317
(BNL-NUREG-51449) Container Assessment - Corrosion Study of HLW Container Materials, Brookhaven National Laboratory Report,
 Volume 1, Nos. 1-2, "Quarterly Progress Report, April - June 1981," December 1981.
 Volume 1, No. 3, Quarterly Progress Report, July - September 1981," January 1982.
 Volume 1, No. 4, Quarterly Progress Report, October - December 1981," April 1982.
 Volume 2, No. 1, Quarterly Progress Report, January - March 1982,".
 "Quarterly Progress Report, April - June 1982".
 "Quarterly Progress Report, July - September 1982".
 "Quarterly Progress Report, October - December 1982".
 "Quarterly Progress Report, January - March 1983".
 "Quarterly Progress Report, April - June 1983".
 "Quarterly Progress Report, July - September 1983".
 "Quarterly Progress Report, October - December 1983".
 "Quarterly Progress Report, January - March 1984".
 "Quarterly Progress Report, April - June 1984".
 "Quarterly Progress Report, July - September 1984".
- (BNL-NUREG-31611)
 (BNL-NUREG-32047)
 (BNL-NUREG-32512)
 (BNL-NUREG-33012)
 (BNL-NUREG-33603)
 (BNL-NUREG-33940)
 (BNL-NUREG-34220)
 (Informal Report)
 (Informal Report)
 (Informal Report)
- NUREG/CR-2333
(BNL-NUREG-51458) Nuclear Waste Management Technical Support in the Development of Nuclear Waste Form Criteria for the NRC, Brookhaven National Laboratory Report,
 Volume 1, "Waste Package Overview," February 1982.
 Volume 2, "Alternate TRU Technologies," February 1982.
 Volume 3, "Waste Inventory Review," February 1982.
 Volume 4, "Test Development Review," February 1982.
 Volume 5, "National Waste Package Program," February 1982.
- * NUREG/CR-2482
(BNL-NUREG-51494) Review of DOE Waste Package Program, Subtask 1.1 National Waste Package Program, Brookhaven National Laboratory Report,
 Volume 1, February 1982.
 Volume 2, "Semiannual Report, September 1981 - March 1982," April 1983.

READ CONCLUSIONS AND
 RECOMMENDATIONS PART
 OF EACH SECTION OF EACH
 REPORT

NUREG/CR-4379

Long-Term Performance of Materials Used for High-Level Waste Packaging, Battelle Columbus Laboratories Report,
Volume 1, "First Quarterly Report, Year Four, April - June 1985," September 1985.

NRC Reports in Preparation

* NRC Staff Report
(Reliability GTP)

Final Generic Technical Position on Waste Package Reliability, December 1984.

* NUREG/CR-4134
(ORNL/TM-9522/R1)

H.C. Claiborne et al., Repository Parameters Relevant to Assessing the Performance of High-Level Waste Packages in Basalt, Tuff, and Salt, [This revision to ORNL/TM-9522 adds appendices on tuff and salt].

NUREG/CR-3405
(BMI-2105)

Long-Term Performance of Materials Used for High-Level Waste Packaging, Battelle Columbus Laboratories Report,

* Volume 1, "Annual Report, March 1982 - April 1983," July 1983.

NUREG/CR-3427
(BMI-2113)

Long-Term Performance of Materials Used for High-Level Waste Packaging, Battelle Columbus Laboratories Report,

Volume 1, "First Quarterly Report, Year Two, April 1983 - June 1983," August 1983.
Volume 2, "Second Quarterly Report, Year Two, July 1983 - September 1983," December 1983.
Volume 3, "Third Quarterly Report, Year Two, October 1983 - December 1983," March 1984.
* Volume 4, "Annual Report, Year Two," April 1983 - April 1984," June 1984.

NUREG/CR-3472

Surface Properties and Performance Predictions of Alternative Waste Forms, University of Florida Report,

Volume 1, "Annual Report - October 1, 1981 through September 30, 1982," September 1983.
Volume 2, "Final Report," [To be published].

NUREG/CR-3699

A Summary of Computer Codes for Waste Package Performance Assessment, CoSTAR Research Report, March 1984.

NUREG/CR-3900
(BMI-2127)

Long-Term Performance of Materials Used for High-Level Waste Packaging, Battelle Columbus Laboratories Report,

Volume 1, "First Quarterly Report, Year Three, April 1984 - June 1984," September 1984.
Volume 2, "Second Quarterly Report, Year Three, July 1984 - September 1984," January 1985.
Volume 3, "Third Quarterly Report, Year Three, October 1984 - December 1984," March 1984.
* Volume 4, "Annual Report, Year ~~Two~~, ^{Three}" April 198~~3~~⁴ - April 198~~4~~⁵, " June 198~~4~~⁵.

* NUREG/CR-4134
(ORNL/TM-9522)

H.C. Claiborne et al., Repository Parameters Relevant to Assessing the Performance of High-Level Waste Packages, Oak Ridge National Laboratory Report, May 1985.

NUREG/CR-4198

Fracture in Glass/High-Level Waste Cannister, Iowa State University Report, May 1985.