

## REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 9410170155      DOC. DATE: 94/10/07      NOTARIZED: NO      DOCKET #

**FACIL:**

AUTH. NAME	AUTHOR AFFILIATION	
BROCOUM, S.J.	Energy, Dept. of	
RECIP. NAME	RECIPIENT AFFILIATION	
HOLONICH, J.J.	High-Level Waste & Uranium Recovery Projects Branch (NMS	

**SUBJECT:** Forwards Rev 1 to "Waste Acceptance Sys Requirements Document."

**DISTRIBUTION CODE:** NH03D    **COPIES RECEIVED:** LTR 1 ENCL 1    **SIZE:** 3 + 100  
**TITLE:** High Level Waste Tech Info re NNWSI Sites - General

**NOTES:**

	RECIPIENT ID CODE/NAME	COPIES LTTR ENCL	RECIPIENT ID CODE/NAME	COPIES LTTR ENCL
	HOLONICH, J.J...	1    1		
<b>INTERNAL:</b>	ACNW	6    6	<u>FILE CENTER</u> 01	1    1
	HLUR/BC	1    1	NMSS/DWM/DEPY2	1    0
	NMSS/ENGB 7J9	1    1	NMSS/HLUR 7J9	4    4
	NMSS/PAHB 7J9	1    1	OGC/NWMS	1    1
<b>EXTERNAL:</b>	CNWRA	1    1	NRC PDR	1    1
	NUDOCS FULL TXT	1    1		

Encl.  
9410170159

**NOTE TO ALL "RIDS" RECIPIENTS:**

PLEASE HELP US TO REDUCE WASTE! CONTACT THE DOCUMENT CONTROL DESK, ROOM P1-37 (EXT. 504-2083) TO ELIMINATE YOUR NAME FROM DISTRIBUTION LISTS FOR DOCUMENTS YOU DON'T NEED!

**TOTAL NUMBER OF COPIES REQUIRED:** LTTR    20    ENCL    19

P  
R  
I  
O  
R  
I  
T  
Y  
  
1  
  
D  
O  
C  
U  
M  
E  
N  
T



**Department of Energy**  
Office of Civilian Radioactive Waste Management    WBS 1.2.5  
Yucca Mountain Site Characterization Office  
P.O. Box 98608  
Las Vegas, NV 89193-8608

**OCT 07 1994**

Joseph J. Holonich, Chief  
High-Level Waste and Uranium  
Recovery Projects Branch  
Division of Waste Management  
Office of Nuclear Material Safety  
and Safeguards  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555

**RESOLUTION OF SITE CHARACTERIZATION ANALYSIS (SCA) QUESTION 53**  
(SCPB: N/A)

References: (1) Ltr, Shelor to Linehan, dtd 12/14/90  
(2) Ltr, Bernero to Bartlett, dtd 7/31/91

On December 14, 1990, the U.S. Department of Energy (DOE) transmitted its responses to objections, comments, and questions presented in the U.S. Nuclear Regulatory Commission's (NRC) SCA (Reference 1). The NRC staff evaluated these responses, closing some of the items and creating open items of the remainder (Reference 2). The open item identified above has been addressed through actions and progress in the program.

**Question 53** asked why the cooling rate of the glass waste form was not specified in the Site Characterization Plan.

DOE's basis for resolution is to indicate that criteria for the canistered waste form such that the "temperature shall not have exceeded 400° C during storage to ensure that the glass transition temperature has not been exceeded" is specified in the Waste Acceptance System Requirements Document (DOE/RW-0351, Revision 1, page 41) (enclosure 1). In addition, studies undertaken at the Savannah River Complex (enclosure 2) indicate that there is no need to control the cooling rate of the glass waste form other than that required to maintain the integrity of the pour canister and to cool the glass to below the glass transition temperature as quickly as possible.

140034

YMP-5

9410170155 941007  
PDR WASTE  
WM-11 PDR

102.8  
NHAB-11  
WM-11

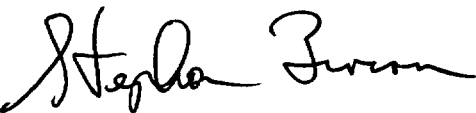
Joseph J. Holonich

-2-

OCT 07 1994

DOE believes that the supplemental response provided in Enclosure 3 is sufficient to resolve SCA Question 53. DOE requests that the NRC provide confirmation that the response is adequate. It would be helpful if a response to this request were coordinated with the DOE request to the NRC to evaluate the supplemental responses to Comments 35, 45, and 51.

If you have any questions, please contact Thomas W. Bjerstedt at (702) 794-7590.

  
Stephan J. Brocoum  
Assistant Manager for  
Suitability and Licensing

AMSL:TWB-5174

Enclosures:

1. Waste Acceptance System  
Requirements Document,  
Revision 1
2. Bickford and Pellarin (1986)  
Report DP-MS-86-72
3. Administrative Record for  
SCA Question 53

OCT 07 1994

cc w/encls:

R. A. Milner, HQ (RW-30) FORS  
C. A. Kouts, HQ (RW-36) FORS  
C. E. Einberg, HQ (RW-36) FORS  
Samuel Rousso, HQ (RW-40) FORS  
W. D. Barnard, NWTRB, Arlington, VA  
R. R. Loux, State of Nevada, Carson City, NV  
T. J. Hickey, State of Nevada, Carson City, NV  
Cyril Schank, Churchill County, Fallon, NV  
D. A. Bechtel, Clark County, Las Vegas, NV  
J. D. Hoffman, Esmeralda County, Goldfield, NV  
Eureka County Board of Commissioners, Eureka, NV  
B. R. Mettam, Inyo County, Independence, CA  
Lander County Board of Commissioners, Battle Mountain, NV  
Jason Pitts, Lincoln County, Pioche, NV  
V. E. Poe, Mineral County, Hawthorne, NV  
L. W. Bradshaw, Nye County, Tonopah, NV  
P. A. Niedzielski-Eichner, Nye County, Chantilly, VA  
William Offutt, Nye County, Tonopah, NV  
Florindo Mariani, White Pine County, Ely, NV  
P. M. Dunn, M&O/TRW, Vienna, VA  
J. L. Younker, M&O/TRW, Las Vegas, NV  
H. C. Stafford, M&O/TRW, Las Vegas, NV  
D. M. Rainey, M&O/TRW, Las Vegas, NV  
B. D. Rhoads, M&O/TRW, Las Vegas, NV  
J. O. Duguid, M&O/INTERA, Vienna, VA  
T. H. Rogers, M&O/WCC, Washington, DC  
A. M. Segrest, M&O/Duke, Las Vegas, NV  
S. P. Nesbit, M&O/Duke, Las Vegas, NV  
E. M. Weaver, M&O/Duke, Las Vegas, NV  
J. R. Leonard, M&O/Duke, Las Vegas, NV  
David Stahl, M&O/B&W, Las Vegas, NV  
S. J. Brocoun, YMSCO, NV  
R. V. Barton, YMSCO, NV  
A. V. Gil, YMSCO, NV  
W. B. Simecka, YMSCO, NV  
P. D. Stucker, YMSCO, NV

*Per instruction sheet*