

Mark T. Peters, Manager Science & Engineering Testing Bechtel SAIC Company, LLC (BSC) 1180 Town Center Drive Las Vegas, NV 89144

ISSUANCE OF DEFICIENCY REPORT (DR) BSC/USGS(B)-02-D-100 RESULTING FROM THE BECHTEL SAIC COMPANY, LLC (BSC) QUALITY ASSURANCE (QA) SURVEILLANCE BSCQA-02-S-02 OF BSC

Enclosed is the subject DR generated as a result of BSC QA Surveillance BSCQA-02-S-02 to verify implementation of Test Plan SITP-02-02-EBS-02 Atlas Natural Convection Test. The condition adverse to quality deals with not completing the pre-test predictions.

Please provide an initial response to this DR within 10 working days from the date of this correspondence to Kenneth O. Gilkerson, Bechtel SAIC Company, LLC, 1180 Town Center Drive, Las Vegas, Nevada 89144. Also provide a copy of the response to Deborah G. Opielowski. NQS, P. O. Box 364629, Mail Stop 455, North Las Vegas, Nevada 89036-8629.

If you have any questions, please contact either Kenneth O. Gilkerson at (702) 295-2950 or Judith E. Gebhart (702) 295-4788.

Donald T. Krisha, Manager

Quality Assurance

Date Signed

REP:jb-0403022079

Enclosure:

DR BSC/USGS(B)-02-D-100

parson

cc w/encl:

- R. W. Andrews, BSC, Las Vegas, NV
- L. H. Barrett, DOE/HQ (RW-2) FORS
- G. K. Beall, BSC, Las Vegas, NV
- J. K. Bosse, BSC, Las Vegas, NV
- L. W. Bradshaw, Nye County, Pahrump, NV
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- S. H. Horton, BSC, Las Vegas, NV
- D. T. Krisha, BSC, Las Vegas, NV
- Cliff Howard, BSC, Las Vegas, NV
- Robert Latta, NRC, Las Vegas, NV
- S. W. Lynch, State of Nevada, Carson City, NV
- S. P. Mellington, DOE/YMSCO, Las Vegas, NV
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8. DEFICIENCY REPORT				
CORRECTIVE ACTION				
REPORT NO. ^{BSC(B)-02-D-100}				
PAGE 1 OF				

RADIOACTIVE WASTE MANAGEMENT U.S. DEPARTMENT OF ENERGY WASHINGTON, D.C.			CORRECTIVE ACTION REPORT NO.BSC(B)-02-D-100 PAGE 1 OF QA: QA	
DEFICIENCY REPORT/CORRECTIVE ACTION REPORT				
1. Controlling Document: (Document ID and Revision or Date) 2. Related Report No.:				
		BSCQA-02-S-02		
3. Responsible Organization:	4. Discussed With:			
S&E Testing Project Mark Peters, Cliff Howard, Hemi Kalia, Dan Thomas, N. Kramer 5. Requirement. AP-SIII.7Q, R-0, 5.2 a) requires that the PI perform pre-test predictions (if required) prior to the start of the test. 5.2 b) requires that the pre-test prediction be documented in accordance with AP-3.10Q. AP-3.12Q or AP-SIII.3Q. Note: AP-3.10Q and AP-3.12Q were suprceded by AP-SIII.9Q. Technical Work Plan TWP-MGR-MD-000015 R-01, FY02 EBS Modeling & Analyses specifically requires a pre-test calculation for the Atlas Natural Convection Test. The Scientific Test Plan for the Atlas Natural Convection Test SITP-02-EBS-002 para 4.3/4.4 identifies the completion of the pretest predictive calculations and uncertainty analysis before January 2002. Para. 5.1 (of the SITP) requires a predictive analysis.				
6. Description of Condition:				
Contrary to the above, the Natural Convection Testing began documented and issued. While scoping data was submitted in SN0112T0812301.001 & SN0112T0812301.002), the pre-trand SITP. The "scoping data" submitted to the TDMS states CAL-EBS-MD-000024 entitled "Two Dimensional Pretest PCAL-EBS-MD-000026 titled "Two Dimensional Natural Completed. Discussion: Although the SITP calls for an AP-SIII.9Q analy the TDMS. AP-SIII.7Q provides for using AP-SIII.3Q for do (now AP-SIII.9Q). The SITP specifically identifies what met submitted for this SITP is unqualified and unverified. The Cathecking in November/December per AP-3.12Q, but were about the review & checking could be completed. Consequently, the viewed and controlled. Also, the SITP states that AP-SIII.9	est caculations (analyses) were that the data for the predictive redictions for the Quarter and I invection Heat Transfer". These rese, the submittal of data from becamenting (submitting) pre-tes shods will be used to document alculations that the DTN's refer and oned when it was realized there is no objective evidence the	ith AP-SIII.3 not perform analyses are Half- Scale N e Pre-Test C scoping calc t predictions the pre-test pence were de hat AP-SIII. at the data v	ed as required by the TWP expresented in Natural Convection Tests" and calculations have not been culations were submitted into sor AP-3.10Q or AP-3.12Q predictions. The data that was eveloped and submitted to 9Q would take effect before used for scoping have been	
K.O. Gilkerson Printed Name Signature Date	9. Does a stop work con Yes. No			
10. Recommended Actions: 1) Complete calculations CAL-EBS-MD-000024 & 26 in accordance with AP-SIII.9Q and test plan. OR 2) Perform a documented review of scoping data in TDMS per requirements, correct references to calculations CAL-EBS-MD-000024 2) 26 (if they are not going to be completed) and revise SITP to reflect methodology for documenting pre-test predictions. 3) Revise AP-SIII.7Q to add guidance and clarification for use of "scoping" data versus pre-test predictions (analyses). 3) Identify other SITPs with same or similar problems.				
1. QA Review: K.O. Gilkerson Printed Name Signature Date	12. Response Due Date 10 Working Days after Is			
	nature (1) To Kee	sha	Date 4/4/02	
Corrective Actions Verified/Closure	15. QAM Closure Approv	/al:		
QAR Printed Name Signature Date	Printed Name	Signature	Date	