



Department of Energy

Washington, DC 20585

QA: L

AUG 08 1997

R. L. Strickler  
President and General Manager  
TRW Environmental Safety Systems, Inc.  
2650 Park Tower Drive, Suite 800  
Vienna, VA 22180

**ISSUANCE OF PERFORMANCE REPORT (PR) YM-97-P-013 RESULTING FROM OFFICE OF QUALITY ASSURANCE (OQA) REVIEW OF THE CIVILIAN RADIOACTIVE WASTE MANAGEMENT SYSTEM MANAGEMENT AND OPERATING CONTRACTOR**

Enclosed is PR YM-97-P-013 generated as a result of an OQA review.

Please provide a response to this deficiency that meets the applicable requirements of Administrative Procedure 16.1Q, Performance/Deficiency Reporting. Send the original of your response to Deborah Sult, OQA/QATSS, P.O. Box 30307, Mail Stop 455, North Las Vegas, Nevada 89036-0307. Response to the PR is due 20 working days from the date of this letter. Any extension to the due date must be requested in writing, with appropriate justification, prior to the due date.

If you have any questions, please contact either James Blaylock at (702) 794-1420 or James J. George at (202) 586-7220.

For Donald G. Horton, Director  
Office of Quality Assurance

OQA:JB-1953

Enclosure:  
PR YM-97-P-013

cc w/encl:  
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Recip: Wmss/HWR

OFFICE OF CIVILIAN  
RADIOACTIVE WASTE MANAGEMENT  
U.S. DEPARTMENT OF ENERGY  
WASHINGTON, D.C.

8  Performance Report  
 Deficiency Report  
NO. YM-97-P-013  
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PERFORMANCE/DEFICIENCY REPORT

1 Controlling Document:  
QAP-SI-0, Revision 1 and QAP-3-9, Revision 6

2 Related Report No.  
NA

3 Responsible Organization:  
M&O WM&I/Science and Engineering

4 Discussed With:  
M. Wisenburg/D.Lancaster

5 Requirement/Measurement Criteria:  
QAP-SI-0 states in paragraph 5.4.4C NOTE: "The computer software or software components are not released for work subject to the QARD until approved by the Software Configuration Manager in accordance with QAP-SI-3. Following approval, all uses of the computer software or software components for work subject to the QARD will be controlled by Software Configuration Management in accordance with QAP-SI-3."

In Addition, QAP-3-9 states in Attachment I, Item 6.A that "....If the proposed software used which is subject to the requirements of the QARD, falls outside the range of validation , then prior to use, further validation shall be performed in accordance with the appropriate procedure. "

6 Description of Condition:  
Contrary to the above stated requirements, the validation of the CSASIX Module of SCALE 4.2 occurred concurrent with its use in QAP-3-9 design analysis activities (specifically, analysis DI D00000000-01717-0200-00024 Rev 00) in support of the Burnup Credit Topical Report and prior to baselining in accordance with QAP-SI-0 and QAP-SI-3. It should be noted that completion of the software module validation occurred 5/13/97 with the approval of the Software Qualification Report. This date is prior to the approval on 5/15/97 of the analysis which used the software module. It should also be noted that baselining of the CSASIX module occurred at the first meeting of the SCCB that occurred after the validation of the module was completed.

7 Initiator  
P. White *P. White* Date 07/01/97

9 Is condition an isolated occurrence?  
 Yes  No  Unknown; Must be Yes if PR

10 Recommended Actions: (Not required for PR)  
~~Revise QAPs 3-9, SI-0 and SI-3 to provide the flexibility to validate software concurrent with its use and to use validated software prior to baselining.~~ *James George 7/3/97*

11 QA Review:  
OAR James George/*James George* Date 07/03/97

12 Response Due Date  
*8/15/97* *8/15/97* 20 working days from issuance

13 Director, OQA Issuance Approval (OAR for PR)  
Printed Name *JAMES GEORGE* Signature *James George* Date *7/3/97*

22 Corrective Actions Verified  
QAR - Date -

23 Closure Approved by: (N/A for PR)  
AOQAM - Date -

OFFICE OF CIVILIAN  
RADIOACTIVE WASTE MANAGEMENT  
U.S. DEPARTMENT OF ENERGY  
WASHINGTON, D.C.

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PERFORMANCE/DEFICIENCY REPORT RESPONSE

14 Remedial Actions:

15 Extent of Condition: (Not required for PR)

16 Root Cause Determination: (Not required for PR)

Required:  Yes  No

17 Action to Preclude Recurrence: (Not required for PR)

Required:  Yes  No

18 Corrective Action Completion Due Date:

19 Response by:

Date

Phone

20 Response Accepted

21 Response Accepted (N/A for PR)

QAR

Date

DOQA

Date