



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

AUG 06 1996

L. Dale Foust
Technical Project Officer
for Yucca Mountain
Site Characterization Project
TRW Environmental Safety Systems, Inc.
Bank of America Center, Suite P-110
101 Convention Center Drive
Las Vegas, NV 89109

ISSUANCE OF DEFICIENCY REPORTS (DR) YM-96-D-077 AND YM-96-D-078
RESULTING FROM OFFICE OF QUALITY ASSURANCE (OQA) SUPPLIER AUDIT
OQA-SA-96-019 OF FRAMATOME TECHNOLOGIES, INC.

Enclosed are DRs YM-96-D-077 and YM-96-D-078 generated as a result of OQA Supplier Audit
OQA-SA-96-019.

Please identify the corrective actions to be taken and implemented to correct the deficiencies.
Send the originals of your responses to Deborah Sult, YMQAD/QATSS, P.O. Box 98608,
Mail Stop 455, Las Vegas, Nevada 89193-8608. Responses to the DRs are due 20 working days
from the date of this letter. Extensions to due dates must be requested in writing, with
appropriate justification, prior to the due dates.

If you have any questions, please contact either Robert B. Constable at (702) 794-5580 or
Richard L. Maudlin at (702) 794-1302.

Robert B. Constable

Richard E. Spence, Director
Yucca Mountain Quality Assurance Division

YMQAD:RBC-2352

Enclosure:
DRs YM-96-D-077 and
YM-96-D-078

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102.7
WM-11

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PDR WASTE PDR
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YMP-5

recip. J Sprawl

L. Dale Foust

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AUG 06 1996

cc w/encl:

T. A. Wood, DOE/HQ (RW-14) FORS
J. G. Spraul, NRC, Washington, DC
S. W. Zimmerman, NWPO, Carson City, NV
R. L. Strickler, M&O, Vienna, VA
Jerry Cogar, M&O, Las Vegas, NV
R. L. Howard, M&O, Las Vegas, NV
B. R. Justice, M&O, Las Vegas, NV
R. P. Ruth, M&O, Las Vegas, NV
Records Processing Center

cc w/o encl:

W. L. Belke, NRC, Las Vegas, NV
P. V. Auer, YMQAD/QATSS, Las Vegas, NV
R. L. Maudlin, YMQAD/QATSS, Las Vegas, NV
D. G. Sult, YMQAD/QATSS, Las Vegas, NV
D. G. Horton, OQA, NV

ORIGINAL

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

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Performance Report

Deficiency Report

NO. YM-96-D-077

PAGE 1 OF 3
QA: L

PERFORMANCE/DEFICIENCY REPORT

<p>1 Controlling Document:</p> <p>BWNT/Framatome Technologies, Inc.'s Quality Assurance (QA) Manual, Revision 1, Office of Civilian Radioactive Waste Management (OCRWM) Quality Assurance Requirements and Description (QARD), Revision 5</p>	<p>2 Related Report No.</p> <p>OQA-SA-96-019</p>
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<p>3 Responsible Organization:</p> <p>Civilian Radioactive Waste Management System Management and Operating Contractor (CRWMS M&O)/Framatome Technologies, Inc.</p>	<p>4 Discussed With:</p> <p>E. Mayhew/J. Cogar</p>
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5 Requirement/Measurement Criteria:

BWNT/Framatome Technologies, Inc.'s QA Manual, Section 4.3.3, states, in part: "Procedures are established for the review of procurement documents by BWNT QA to determine that quality requirements are correctly stated....that the procurement documents have been prepared, reviewed, and approved, in accordance with QAP requirements and that the supplier has been evaluated as specified in Section 7.0 of this QAP."

OCRWM QARD, Section 17.0, Subsection 17.2.11(A) states: "QA records shall be temporarily stored in a container or facility with a fire rating of 1 hour, or dual storage shall be provided."

6 Description of Condition:

Contrary to the above:

A. Purchase Order 35541 was issued to a material test laboratory (Westmoreland) for the performance of quality-affecting work without evidence of a QA review and inclusion of QA Program requirements.

B. Purchase Orders (P.O.), (P.O. 27100, issued to AM Castle & Co., and P.O. 11498, issued to Revere Copper Products), of base and filler material were purchased from suppliers that had not been evaluated in accordance with Section 7.0 of this Quality Assurance Procedure and were not listed by Framatome Technologies, Inc. as approved suppliers on the FTI Approved Suppliers List.

(Continued on page 3)

<p>7 Initiator <i>R. Maudlin</i></p> <p>Richard L. Maudlin</p> <p>Date <u>08/02/96</u></p>	<p>9 Is condition an isolated occurrence?</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Unknown; Must be Yes if PR</p>
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10 Recommended Action: (Not required for PR)

A. Take immediate action to review all P.O.'s issued in the performance of this work and determine if similar conditions exist.

B. Determine and document the impact on quality due to: (1) no QA review of P.O.'s; and (2) Purchasing materials and/or services from unapproved suppliers.

C. Identify and document the cause of the conditions adverse to quality described in Block 6.

D. Identify and document the actions to be taken to prevent recurrence.

<p>11 QA Review:</p> <p>QAR <i>R. Maudlin</i></p> <p>Date <u>08/02/96</u></p>	<p>12 Response Due Date</p> <p>20 Working Days From Issuance</p>
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13 Affected Organization QA manager Issuance Approval: (QAR for PR)

Printed Name R.E. SPENCE Signature *R.E. Spence* Date 8.6.96

<p>22 Corrective Action Verified</p> <p>QAR</p> <p>Date</p>	<p>23 Closure Approved by: (N/A for PR)</p> <p>AOQAM</p> <p>Date</p>
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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:

Initial
 Amended Date Phone

20 Response Accepted

QAR Date

21 Response Accepted (N/A for PR):

AOQAM Date

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RADIOACTIVE WASTE MANAGEMENT
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 Deficiency Report
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PR/DR CONTINUATION PAGE

6 Description of Condition: (Continued)

- C. Calibration records of instruments (Digital Thermometer VH-3599, Ammeter VH-4291, and Digital Multimeter VH-3833) used to perform work for the M&O were not being maintained in a 1 hour fire rated facility or dual storage.

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 Deficiency Report
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 U.S. DEPARTMENT OF ENERGY
 WASHINGTON, D.C.

PERFORMANCE/DEFICIENCY REPORT

1 Controlling Document: Quality Assurance Requirements and Description (QARD)/RW-0333P, Revision 5	2 Related Report No. OQA-SA-96-019
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3 Responsible Organization: Civilian Radioactive Waste Management System Management and Operating Contractor/Framatome Technologies Inc.	4 Discussed With: Jerry Cogar/Emily Mayhew
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5 Requirement/Measurement Criteria:
 QARD, Revision 5, Section 8.2.1, states in part: "Identification shall be maintained on the items or in manner which ensures that identification is established and maintained" and "Items shall be identified from the time of initial fabrication, or receipt, up to and including installation or end use."

6 Description of Condition:
 Contrary to the above:
 Material traceability (e.g., Heat/Lot Number) for Carbon Steel, Inconel (Alloy 825) and Copper-Nickel base material and associated weld filler materials used to develop procedure qualification records (PQR) 7082, 7096, and 7097 for Waste Package Closure Development could not be verified or traced from material receipt through the process documentation to end use.

7 Initiator Patrick V. Auer <i>Patrick V. Auer</i> Date <u>7-31-96</u>	9 Is condition an isolated occurrence? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Unknown; Must be Yes if PR
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- 10 Recommended Action: (Not required for PR)
- Determine the impact of QA requirements for material traceability not being incorporated into the results and conclusions in the Waste Package Closure Weld Development Report (BBA000000-01717-2500-00006, Revision 00).
 - Determine status, qualified or non-qualified, of data presented in Waste Package Closure Weld Development Report (BBA000000-01717-2500-00006, Revision 00).
 - Determine the cause of deficient condition.
 - Determine and implement actions to preclude recurrence.

11 QA Review: QAR <i>Patrick V. Auer</i> Date <u>7-31-96</u>	12 Response Due Date 20 Working Days From Issuance
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13 Affected Organization QA manager issuance Approval: (QAR for PR) Printed Name <u>RESPENCE</u> Signature <i>RBC</i> Date <u>8/6/96</u>

22 Corrective Action Verified QAR _____ Date _____	23 Closure Approved by: (N/A for PR) AOQAM _____ Date _____
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QA: L

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 Date:

19 Response by:

Initial
 Amended Date Phone

20 Response Accepted

QAR Date

21 Response Accepted (N/A for PR):

AOQAM Date