



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

AUG 31 1995

Robert W. Craig
Acting Technical Project Officer
for Yucca Mountain
Site Characterization Project
U.S. Geological Survey
101 Convention Center Drive
Suite 860
Las Vegas, NV 89109

ISSUANCE OF DEFICIENCY REPORT (DR) YMQAD-95-D-009 RESULTING FROM
OFFICE OF QUALITY ASSURANCE (OQA) SUPPLIER AUDIT OQA-SA-95-002
(SCPB: N/A)

Enclosed is DR YMQAD-95-D-009 generated as a result of OQA
Supplier Audit OQA-SA-95-002.

Please identify the corrective action to be taken and implemented
to correct the deficiency. A DR Continuation Page has been
provided. Send the original of your response to Deborah Sult,
YMQAD/QATSS, 101 Convention Center Drive, Suite 640, Las Vegas,
Nevada 89109. Response to the DR is due 20 working days from the
date of issuance. Any extension to due date must be requested in
writing, with appropriate justification, prior to the due date.

If you have any questions, please contact either Robert B.
Constable at 794-7945 or Richard L. Maudlin at 794-7290.

YMQAD:RBC-4427 Richard E. Spence, Director
Yucca Mountain Quality Assurance Division

Enclosures:

1. DR YMQAD-95-D-009
2. DR Continuation Page

cc w/encls:

~~J. G. Spraul, NRC, Washington, DC~~
S. W. Zimmerman, NWPO, Carson City, NV
T. H. Chaney, USGS, Denver, CO
D. D. Porter, SAIC, Golden, CO

cc w/o encls:

W. L. Belke, NRC, Las Vegas, NV
D. G. Sult, YMQAD/QATSS, Las Vegas, NV

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

8 ☐ Performance Report
☒ Deficiency Report
NO. YMQAD-95-D-009
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PERFORMANCE/DEFICIENCY REPORT

1 Controlling Document:
USGS P.O. 1434-CR-95-SA-01372 / Beta Analytic Inc. QA Manual, Rev. 0

2 Related Report No.
Supplier Audit Report OQA-SA-95-002

3 Responsible Organization:
USGS

4 Discussed With:
Tom. Chaney/Darden Hood

5 Requirement/Measurement Criteria:

USGS P.O. 1434-CR-95-SA-01372, YMP-USGS QA Requirements for Analytical Services, states in part: "Procurement - Describe the approach used to incorporate quality assurance requirements into procurements for quality-affecting materials or services (ensure that quality assurance requirements applicable to sub-tier suppliers are included in all sub-tier supplier issued procurement documents). Describe verification practices used to ensure that received materials or services satisfy the procurement requirements".

Beta Analytic Inc., QA Manual, Revision 0, Section 4.0, Subsection 4.2 states in part: "Signed delivery tickets, invoices, certificates of analysis and/or internal testing results are maintained as quality records of acceptance of quality affecting products or services".

6 Description of Condition:
Contrary to the above:

(A) Beta Analytic has no program for the qualification and pass down of applicable QA program requirements to its sub-tier suppliers. Presently, Beta Analytic is using Lawrence Livermore National Laboratory (LLNL) for the performance of Accelerator Mass Spectrometry (AMS) testing of geologic samples, however, Beta Analytic has no contract with LLNL for this service.

(B) Beta is purchasing the chemical Benzene which is used in the preparation of samples, however, there is no documented acceptance of the test performed by Beta Analytic of the Benzene upon receipt.

7 Initiator

R.L. Maudlin

Date

08/29/95

9 QA Review

QAR

Date

08/29/95

10 Response Due Date

20 Working Days from Issuance

11 QA Issuance Approval

QAR (PR)/AOQAM (DRI)

Date

8.30.95

12 Remedial Actions:

13 Remedial Action Response By:

Date

14 Remedial Action Due Date

Date

15 Remedial Action Response Acceptance

Date

16 PR Verification/Closure

QAR

Date

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DEFICIENCY REPORT

17 Recommended Actions:

(A) Develop a program for the qualification of suppliers providing quality affecting items and/or services. Identify the method to be used in passing down of quality requirements to sub-tier suppliers. Generate a contract/purchase order for the use of sub-tier suppliers. Upon development of the qualification program for sub-tiers, implement the program for the labs being used to provide quality affecting services.

(B) Upon receipt of chemicals used in quality affecting activities, perform necessary tests and document those tests as required by your QA Manual.

18 Investigative Actions:

19 Root Cause Determination:

20 Action to Preclude Recurrence:

21 Response by:

Date

22 Corrective Action Completion Due Date:

23 Response Accepted

QAR

Date

24 Response Accepted

AOQAM

Date

25 Amended Response Accepted

QAR

Date

26 Amended Response Accepted

AOQAM

Date

27 Corrective Actions Verified

28 Closure Approved by:

AOQAM

Date

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DEFICIENCY REPORT

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21 Response by:

Date

22 Corrective Action Completion Due Date:

23 Response Accepted

QAR

Date

24 Response Accepted

AOQAM

Date

25 Amended Response Accepted

QAR

Date

26 Amended Response Accepted

AOQAM

Date

27 Corrective Actions Verified

28 Closure Approved by:

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8 ☐ Performance Report
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PR/DR CONTINUATION PAGE