



Department of Energy
Washington, DC 20585

QA: L

OCT 01 1997

L. D. Foust, Technical Project Officer
for Yucca Mountain Site
Characterization Project
TRW Environmental Safety Systems, Inc.
1180 Town Center Drive, M/S 423
Las Vegas, NV 89134

ISSUANCE OF DEFICIENCY REPORT (DR) YM-97-D-088 RESULTING FROM
OFFICE OF QUALITY ASSURANCE (OQA) SURVEILLANCE M&O-SR-97-054 OF
THE EXPERT ELICITATION PROCESS

Enclosed is DR YM-97-D-088 generated as a result of OQA Surveillance M&O-SR-97-054.

Please identify the corrective action to be taken and implemented to correct the deficiency.
Send the original of your response to Deborah Sult, OQA/QATSS, P.O. Box 30307,
Mail Stop 455, North Las Vegas, Nevada 89036-0307. 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
Robert P. Hasson at (702) 794-5023.

R.W. Carl
for Donald G. Horton, Director
Office of Quality Assurance

OQA:JB-2415

Enclosure:
DR YM-97-D-088

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L. D. Foust

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cc w/encl:

T. A. Wood, DOE/HQ (RW-55) FORS
J. O. Thoma, NRC, Washington, DC
S. W. Zimmerman, NWPO, Carson City, NV
B. R. Justice, M&O, Las Vegas, NV
R. A. Morgan, M&O, Las Vegas, NV
J. L. Younker, M&O, Las Vegas, NV
M. W. Pendleton, M&O, Las Vegas, NV

cc w/o encl:

W. L. Belke, NRC, Las Vegas, NV
R. P. Hasson, OQA/QATSS, Las Vegas, NV
D. G. Sult, OQA/QATSS, Las Vegas, NV
R. W. Clark, DOE/OQA, Las Vegas, NV

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

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 Deficiency Report
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PERFORMANCE/DEFICIENCY REPORT

1 Controlling Document: DOE/RW-0333P, QARD, Revision 7
2 Related Report No. M&O-SR-97-054

3 Responsible Organization: Regulatory Operations - Technical Evaluation
4 Discussed With: Martha Pendleton, Tom Rodgers

5 Requirement/Measurement Criteria:
DOE/RW-0333P, QARD, Revision 7, Section 5.2, states that, "Work shall be performed in accordance with controlled implementing documents."

6 Description of Condition:
Deficiency: Contrary to the above requirement, the expert elicitation process is being conducted without the use of an implementing procedure.
Discussion: The M&O's Regulatory Operations - Technical Evaluation Team is responsible for the management of expert elicitation activities and has subcontracted the facilitation of expert elicitations to Geomatrix Consultants, Inc. However, the process for performing the expert elicitation activities does not define the step by step process of performing the expert elicitation. The expert elicitation procedure must address, but not be limited to:
a) Defining the step by step process of performing an expert elicitation, such as definition of objectives, selection of experts, refinement of issues and problem composition, etc.
See Continuation Page 3

7 Initiator: Robert P. Hasson, Date 09/11/97
9 Is condition an isolated occurrence? Yes No Unknown; Must be Yes if PR

10 Recommended Actions: (Not required for PR)
1) Develop and issue an expert elicitation procedure that addresses the issues identified in this deficiency report.
2) Perform and document an impact review of previously completed expert elicitations performed to assess the adequacy of these elicitations in accordance with the new expert elicitation procedure.

11 QA Review: QAR Robert P. Hasson, Date 9/17/97
12 Response Due Date: 20 working days from issuance

13 Director, OQA Issuance Approval: (QAR for PR)
Printed Name: Donald G. Horton, Signature: R.W. C... per, Date: 9/29/97

22 Corrective Actions Verified: QAR, Date
23 Closure Approved by: (N/A for PR): DQQA, Date

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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

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PR/DR CONTINUATION PAGE

6. DESCRIPTION OF CONDITION: (Continued)

- b) Training requirements must be established (who requires training and to what level);
- c) Qualifications of personnel must be established (generalists, normative expert, and subject-matter experts);
- d) The use of project plans for the elicitation must be defined including the review and approval requirements;
- e) Documented reviews and resolutions for conflict of interests for personnel involved with expert elicitations;
- f) Defining what expert elicitation records are designated Q and Non Q in support of the conduct and conclusions of the expert elicitation; and
- g) Defining content and format of the expert elicitation final report.