



## Department of Energy

Nevada Operations Office

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WBS 1.2.9.3

"QA"

NN1.881221.0013

DEC 21 1988

Joseph E. Stiegler, Acting  
Technical Project Officer for Yucca Mountain Project  
Sandia National Laboratories  
P.O. Box 5800  
Organization 6310  
Albuquerque, NM 87185

REQUEST FOR AMENDED RESPONSE TO YUCCA MOUNTAIN PROJECT QUALITY ASSURANCE (QA)  
STANDARD DEFICIENCY REPORT (SDR) 169, REVISION 0, GENERATED AS A RESULT OF  
YUCCA MOUNTAIN PROJECT OFFICE (PROJECT OFFICE) QA AUDIT 88-06 OF SANDIA  
NATIONAL LABORATORIES (SNL) (NN1-1989-0680)

The Project Office has evaluated your response to SDR 169, generated as a result of Project Office QA Audit 88-06 and has determined that an amended response is required. Your response stated in part: "Position descriptions will be revised to include minimum education and experience requirements, on a schedule consistent with achieving a fully qualified QA Program." SNL is requested to submit an amended response to SDR 169, Revision 0, which provides a definitive commitment date to expeditiously revise SNL position descriptions to ensure that SNL personnel currently performing quality affecting activities are qualified as described in those position descriptions.

You are requested to submit the amended response to this office within ten working days of this letter, and to send the original copy of the amended response to Nita J. Brogan of Science Applications International Corporation (SAIC), Las Vegas, Nevada.

If you have any questions, please contact Wendell B. Mansel of my staff at FTS 544-7945 or Gerard Heaney of SAIC at FTS 544-7739.

*James Blaylock*  
James Blaylock  
Project Quality Manager  
Yucca Mountain Project Office

YMP:JB-1112

Enclosure:  
SDR 169, Rev. 0

8812290076 881221  
PDR WASTE PDC  
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# WMPO STANDARD DEFICIENCY REPORT

N-QA-038  
3/87

|  |  |                       |  |                     |   |
|--|--|-----------------------|--|---------------------|---|
| Completed by Originating QA Organization | 1 Date 8/3/88  |                       | 2 Severity Level <input type="checkbox"/> 1 <input checked="" type="checkbox"/> 2 <input type="checkbox"/> 3 |                     | Page 1 of 2   |
|  | 3 Discovered During<br>WMPO Audit 88-06  |                       | 3a Identified By<br>C. M. Thompson   |                     | 3b Branch Chief<br>Concurrence Date<br>N/A                            |
|  | 4 SDR No.<br>169   |                       | Rev. 0   |                     |   |
|  | 5 Organization<br>SNL  |                       | 6 Person(s) Contacted<br>R. R. Richards  |                     | 7 Response Due Date is<br>20 Working Days from<br>Date of Transmittal |
| Completed by Organization in Block 5     | 8 Requirement (Audit Checklist Reference, if Applicable)<br>NNWSI Project QA Plan, NV0-196-17, Rev. 5, Section II, Quality Assurance Program, Para. 5.1, states "All NNWSI Project participants shall establish requirements for the selection, indoctrination, and training of personnel" |                       |  |                     |   |
|  | 9 Deficiency<br>Contrary to the above, position descriptions reviewed for four functional positions on the NNWSI Project did not identify the minimum education and experience requirements. (Refer to letter T. O. Hunter to file, "General   |                       |  |                     |   |
|  | 10 Recommended Action(s): <input checked="" type="checkbox"/> Remedial <input type="checkbox"/> Investigative <input checked="" type="checkbox"/> Corrective<br>1. Revise position descriptions to include minimum education and experience requirements.                                  |                       |  |                     |   |
|  | 11 QAE/Lead Auditor Date<br>See attached 8-11-88   |                       |  |                     |   |
| Completed by Org. QA Org.                | 12 Branch Manager<br>A. J. Callaway  |                       | Date<br>AUG 11 1988  |                     | 13 Project Quality Mgr. Date<br>James Blaylock 8/14/88                |
|  | 14 Remedial/Investigative Action(s)<br>See attached  |                       |  |                     |   |
|  | 15 Effective Date <del>See text</del>  |                       |  |                     |   |
|  | 16 Cause of the Condition & Corrective Action to Prevent Recurrence<br>See attached  |                       |  |                     |   |
| Comp. by Orig. QA Org.                   | 17 Effective Date <u>N/A</u>   |                       |  |                     |   |
|  | 18 Signature/Date<br>Thomas E. Stiegler 11/18/88<br>San Josepe E. Stiegler. 6310   |                       |  |                     |   |
|  | 19 Response <input type="checkbox"/> Accept <input checked="" type="checkbox"/> Amended Response   |                       | QAE/Lead Auditor/Date<br>G. Heaney 11/29/88  |                     | Branch Manager/Date<br>A. J. Callaway 12/1/88                         |
|  | 20 Amended Response <input type="checkbox"/> Accept <input type="checkbox"/> Reject  |                       | QAE/Lead Auditor/Date  |                     | Branch Manager/Date   |
| Comp. by Orig. QA Org.                   | 21 Verifi-<br>cation <input type="checkbox"/> Satisfactory <input type="checkbox"/> Unsatisfactory   |                       | QAE/Lead Auditor/Date  |                     | Branch Manager/Date   |
|  | 22 Remarks   |                       |  |                     |   |
| 23 QA CLOSURE                            |  | QAE/Lead Auditor/Date |  | Branch Manager/Date | PQM/Date  |

ENCLOSURE



# WMPO STANDARD DEFICIENCY REPORT CONTINUATION SHEET

N-QA-038  
10/86

SDR No. 169

Rev. 0

Page 2 of 2

## 8 Requirement ( continued )

performing or verifying activities that affect quality. The requirements shall establish position descriptions that set forth minimum personnel qualifications and provide for appropriate indoctrination or training or both, prior to initiation of activities that affect quality."

Para. 5.1.1 states "Minimum education and experience requirements shall be established and documented in position descriptions for each position involved in the performance of activities that affect quality." (Refer to audit checklist Item No. 2-27)

## 9 Deficiency ( continued )

Position Descriptions for SNL Department 6310," dated July 22, 1988). The requirements in block 8 above have not been incorporated into SNL implementing procedures.

## 10 Recommended Actions ( continued )

2. Ensure the requirements contained in Block 8 are incorporated into appropriate SNL procedures.
3. Reinstruct appropriate personnel to revised procedural requirements. Provide objective evidence of the reinstruction with response to the SDR.
4. Ensure SNL contractor QA programs incorporate the requirements contained in Block 8.

## Resolution for SDR 169

### 14 Remedial/Investigative Action(s)

Position descriptions will be revised to include minimum education and experience requirements, on a schedule consistent with achieving a fully qualified QA Program. (M. A. Tang)

DOP 2-6, "Qualification and Certification of Project Personnel," will be revised to adequately incorporate requirements cited in Block 8, above, (as currently expressed in NNWSI/88-9), by December 31, 1988. (R. M. Baehr)

Upon revision of DOP 2-6, the necessity for training of appropriate personnel will be determined and training conducted within one month of procedure issuance. (M. A. Tang)

Existing subcontractor QA plans have been reviewed. Those subcontractors whose QA plans do not adequately address the cited requirements have been requested to upgrade their QA plans appropriately.

16 The cause of the deficiency was difference in interpretation of what comprised adequate specification of education and experience requirements in position descriptions. That difference in interpretation no longer exists. The remedial action specified above will also serve to correct the situation.

DEC 21 1988

cc w/encl:

Ralph Stein, HQ (RW-30) FORS  
L. H. Barrett, HQ (RW-3) FORS  
J. H. Hines, NWQA, AL  
S. W. Zimmerman, NWPO, Carson City, NV  
J. J. Holonich, NRC, Washington, D.C.  
John Gilray, NRC, Las Vegas, NV  
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