



Department of Energy

Yucca Mountain Project Office

P. O. Box 98608

Las Vegas, NV 89193-8608

WBS 1.2.9.3

QA

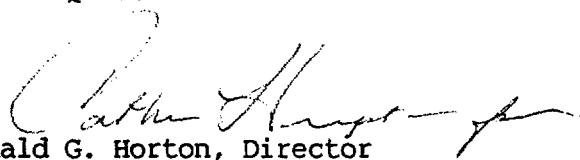
AUG 29 1990

Leslie J. Jardine
Technical Project Officer
for Yucca Mountain Project
Lawrence Livermore National Laboratory
P.O. Box 5514, L-217
Livermore, CA 94551

ACCEPTANCE OF RESPONSE AND CLOSURE OF STANDARD DEFICIENCY REPORT (SDR) 539,
REVISION 0, RESULTING FROM YUCCA MOUNTAIN PROJECT OFFICE (PROJECT OFFICE)
QUALITY ASSURANCE (QA) AUDIT 90-02 OF LAWRENCE LIVERMORE NATIONAL LABORATORY
(LLNL)

The Project Office QA staff has evaluated and accepted your response to SDR
539, Revision 0, generated as a result of Project Office QA Audit 90-02 of
LLNL. The SDR has been closed based on satisfactory verification of completed
corrective actions. A copy of the SDR is enclosed for your files.

If you have any questions, please contact either Catherine E. Hampton at
(702) 794-7973 or FTS 544-7973, or Robert B. Constable at (702) 794-7945
or FTS 544-7945 of the Yucca Mountain Project QA staff.


Donald G. Horton, Director
Quality Assurance
Yucca Mountain Project Office

QA:CEH-4531

Enclosure:
SDR 539

cc w/encl:

D. E. Shelor, HQ (RW-30) FORS
D. W. Short, LLNL, Livermore, CA
S. W. Zimmerman, NWPO, Carson City, NV
K. R. Hooks, NRC, Washington, DC
John Lee, SAN

cc w/o encl:

N. J. Brogan, SAIC, Las Vegas, NV, 517/T-08
S. R. Dippner, SAIC, Las Vegas, NV, 517/T-08
J. W. Gilray, NRC, Las Vegas, NV

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YMPO STANDARD DEFICIENCY REPORT

N-QA-038
4/89

Completed by Originating QA Organization	1 Date May 18, 1990		2 Severity Level <input type="checkbox"/> 1 <input checked="" type="checkbox"/> 2 <input type="checkbox"/> 3		Page 1 of 23
	3 Discovered During YMP Audit 90-02		3a Identified By S. Crawford		4 SDR No. 539 Rev. 0
	5 Organization LLNL		6 Person(s) Contacted W. Clark, R. McCright		7 Response Due Date is 20 Working Days from Date of Transmittal
	8 Requirement (Audit Checklist Reference, if Applicable) LLNL Procedure 033-YMP-QP 4.0 "Procurement Control and Documentation", Rev. 1, para. 4.0.5.7.4 states "For all QA Level I and II procurement actions (whether sole source, subject to bid, or handled by SANL memorandum) the QA Manager				
Completed by Organization in Block 5	9 Deficiency LLNL purchase orders B108259, B108294, and B109028 were issued to Metcut Research Associates Inc. with numerous differences in requirements from the related purchase requisitions 336608, 336613, and 336610 respectively. The				
	10 Recommended Action(s): <input checked="" type="checkbox"/> Remedial <input checked="" type="checkbox"/> Investigative <input checked="" type="checkbox"/> Corrective 1. Identify other purchases issued to Metcut which have similar deficiencies.				
Completed by Organization in Block 5	11 QAE/Lead Auditor/Date Gerard Heaney 5-23-90		12 Division Manager/Date N/A		13 Project Quality Mgr./Date Catherine Thompson 5-29-90
	14 Remedial/Investigative Action(s) The subject purchase orders were issued for "commercial grade items" and meet requirements for this quality level. No remedial action is required. See SDR 538				15 Effective Date N/A
	16 Cause of the Condition & Corrective Action to Prevent Recurrence Not applicable.				17 Effective Date N/A
Comp. by Orig. QA Org.	18 Signature/Date David W. Short 6/29/90				
	19 Response Accepted	QAE/Lead Auditor/Date Gerard Heaney 6/1/90	Division Manager/Date N/A	Project Quality Mgr./Date Catherine Thompson 8/1/90	
	20 Corrective Action Verif. Satisfactory	QAE/Lead Auditor/Date Gerard Heaney 6/1/90	Division Manager/Date N/A	Project Quality Mgr./Date Catherine Thompson 8/1/90	
	21 Remarks Response rec'd 7/6/90 - QA: 90225 Amended Response dtd 7/15/90 - LLYMP 9007126 VERIFICATION PERFORMED DURING SCHEDULED SURVEILLANCE 8/6 - 8/9, 1990 (SEE ATTACHED PAGE 4 OF 4 FROM CLOSED SDR 538 PACKAGE).				
Comp. by Orig. QA Org.	22 QA CLOSURE				
	QAE/Lead Auditor/Date Gerard Heaney 6/1/90	Division Manager/Date N/A	PQM/Date Catherine Thompson 8/13/90		

**YMPO STANDARD DEFICIENCY REPORT
CONTINUATION SHEET**

N-QA-038
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SDR No. 539

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8 Requirement (continued)

nh
8/27/90

(or his designee) reviews the final procurement documents prior to release to assure consistency with the initial procurement memorandum request. This review is documented on the notification form and is retained in the Resource Manager's files.

(Refer to audit checklist item no. 3-15)

9 Deficiency (continued)

purchase orders were issued 11/7/89; however, objective evidence provided during the audit indicates the purchase requisitions to be reviewed by the QA Manager 12/15/89.

Examples of differences include:

1. Purchase requisitions provide for machining to be in accordance with the Metcut QA Program; the purchase orders do not include this requirement.
2. Purchase requisitions provide specific labeling instructions for coupon identification; identification requirements are not included in the purchase orders.
3. Purchase requisition 336608 required fatigue precracking at 1-2 Hz using a triangular load waveform; purchase order B108259 requires precracking at 30 Hz using sinoidal waveform.
4. The purchase orders identify the material as LLNL supplied; the purchase requisitions do not identify the source of the material.

10 Recommended Actions (continued)

2. Investigate to determine if the differences between the purchase orders and the purchase requisitions has adverse effect on the products delivered.
3. Retrain appropriate personnel to procedural requirements.

Amended Response to SDR 539, Rev. 0

July 18, 1990

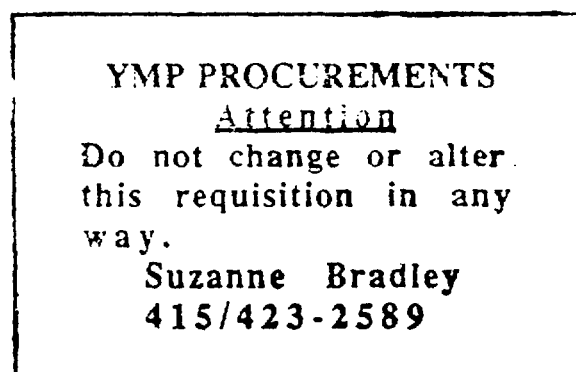
14. Remedial/Investigative Action(s)

The subject purchase orders were issued for "commercial grade items" and meet requirements for this quality level. No remedial action is required. See SDR 538.

The subject purchase requests were changed after leaving the LLNL-YMP resource manager's office and a copy of the changed purchase request was not forwarded to the resource manager.

Normally, for both YMP and other purchase requests, the LLNL Procurement Department deals directly with the requester when exceptions or changes are specified by the supplier. A determination is made of the effect such changes have on the intent of the procurement and the quality of the item being procured. The requester met with the purchase agent and changed the purchase request by inserting extracts from a supplier's letter to the purchase agent. Since these were not quality affecting procurements, the QA Manager did not need to be involved.

Copies of all LLNL-YMP purchase requests are routinely provided to the resource manager at different stages of the procurement actions depending on the quality nature of the item or service. Since the YMP 90-02 audit we have begun stamping each purchase request from LLNL-YMP so the purchase agents do not change things without contacting the resource manager. An example of the stamp used on our unique requisitions is given below.



We believe this additional identification and direction improves our ability to keep both the financial/budget system and quality assurance system running as intended.