

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

Surveillance No. OQA-SR-97-03

QUALITY ASSURANCE SURVEILLANCE RECORD**SURVEILLANCE DATA**

1. ORGANIZATION/LOCATION: Sandia National Laboratories (SNL), Albuquerque, NM	2. SUBJECT: Calibration by Primary Standards Laboratory (PSL), SNL	3. DATE: November 19, 1996
4. SURVEILLANCE OBJECTIVE: Observe calibration of Multiseis V		
5. SURVEILLANCE SCOPE: Calibration of Vibra-Tech Multiseis V, SN 3861 to close Deficiency Report (DR) YM-96-D-074		6. SURVEILLANCE TEAM: Team Leader: J. Blaylock
		Additional Team Members: N/A
7. PREPARED BY: <i>J. Blaylock</i> J. Blaylock	8. CONCURRENCE: N/A	
Surveillance Team Leader	Date <u>11/19/96</u>	QA Division Director
	Date	Date

SURVEILLANCE RESULTS

9. BASIS OF EVALUATION/DESCRIPTION OF OBSERVATIONS: SNL had an open DR YM-96-D-074; the Corrective Action included the SNL PSL in Albuquerque, NM, performing a calibration of the Vibra-Tech Multiseis V, SN 3861. The instrument had been purchased as commercial grade and the vendor had not been evaluated nor approved for inclusion on the Approved Suppliers List (ASL). SNL opted to perform the calibration at the PSL rather than qualifying and placing the vendor on the ASL. Two Yucca Mountain Site Characterization Project (YMP)/SNL individuals, J. Schelling and M. Lee, served as the point of contact with Vibra-Tech to obtain the appropriate information to allow the PSL to calibrate the instrument. A memo from J. Schelling to L. Alzevedo set forth the method of calibration, acceptance criteria, and documentation requirements. As it turned out, after further discussion with Vibra-Tech, the calibration method was probably incorrect. Also, reproducibility of the few results were not reproducible prior to the instrumentation malfunctioning to where further efforts to calibrate it were futile.	
10. SURVEILLANCE CONCLUSIONS: DR YM-96-D-074 cannot be closed. SNL needs to determine what the calibration technique should be prior to another calibration attempt. The DR needs to be revisited to reevaluate the current response.	
11. COMPLETED BY: <i>J. Blaylock</i> Surveillance Team Leader	12. APPROVED BY: QA Division Director
Date <u>11/22/96</u>	Date

Enclosure

NOV 26 1996

L. D. Foust

-2-

cc w/encl:

D. A. Dreyfus, DOE/HQ (RW-1) FORS

R. W. Clark, DOE/HQ (RW-3.1) FORS

T. A. Wood, DOE/HQ (RW-55) FORS

J. G. Spraul, NRC, Washington, DC

W. L. Belke, NRC, Las Vegas, NV

R. R. Loux, NWPO, Carson City, NV

Jim Regan, Churchill County, Fallon, NV

D. A. Bechtel, Clark County, Las Vegas, NV

Susan Dudley, Esmeralda County, Goldfield, NV

Sandy Green, Eureka County, Eureka, NV

Tammy Manzini, Lander County, Austin, NV

V. E. Poe, Mineral County, Hawthorne, NV

Wayne Cameron, White Pine County, Ely, NV

B. R. Mettam, County of Inyo, Independence, CA

Mifflin and Associates, Las Vegas, NV

M. J. Clevenger, M&O/LANL, Los Alamos, NM

Donald Mangold, M&O/LBNL, Berkeley, CA

R. E. Monks, M&O/LLNL, Livermore, CA

S. Y. Pickering, M&O/SNL, Albuquerque, NM, M/S 1395

R. E. Armstrong, M&O, Las Vegas, NV

R. A. Morgan, M&O, Las Vegas, NV

T. H. Chaney, USGS, Denver, CO

Records Processing Center