



Department of Energy

Washington, DC 20585

QA: QA

JUL 23 2002

K. G. Hess
President and General Manager
Bechtel SAIC Company, LLC
1180 Town Center Drive, M/S 423
Las Vegas, NV 89144

U.S. DEPARTMENT OF ENERGY OFFICE OF CIVILIAN RADIOACTIVE WASTE
MANAGEMENT OFFICE OF QUALITY ASSURANCE (OQA) ISSUANCE OF
SURVEILLANCE RECORD OQA-02-S-14 OF BECHTEL SAIC COMPANY, LLC (BSC)

Enclosed is the Surveillance Record, OQA-02-S-14, conducted by representatives of OQA at BSC on July 8, 2002, to evaluate software related to the use Measuring and Test Equipment (M&TE) in use by the Data Collection/Data Management Section of the Test Coordination Office (TCO) in Las Vegas and the Exploratory Studies Facility.

The surveillance team determined the use of M&TE-related software within the TCO is deemed to be satisfactory. This surveillance is considered complete and closed as of the date of this letter. A response to this surveillance record is not required.

If you have any questions, please contact either James Blaylock at (702) 794-1420 or Samuel E. Archuleta at (702) 794-1476.



Ram B. Murthy, Acting Director
Office of Quality Assurance

OQA:JB-1477

Enclosure:
Surveillance Record OQA-02-S-14



Printed with soy ink on recycled paper

NMS07
WM-11

cc w/encl:

Margaret Chu, DOE/HQ (RW-1), FORS
B. V. Hamilton-Ray, DOE/CMD (RW-55), Las Vegas, NV
N. K. Stablein, NRC, Rockville, MD
Robert Latta, NRC, Las Vegas, NV
Alan Kalt, Churchill County, Fallon, NV
Irene Navis, Clark County, Las Vegas, NV
George McCorkell, Esmeralda County, Goldfield, NV
Leonard Fiorenzi, Eureka County, Eureka, NV
Andrew Remus, County of Inyo, Independence, CA
Mickey Yarbrow, Lander County, Battle Mountain, NV
Lola Stark, Lincoln County, Caliente, NV
Arlo Funk, Mineral County, Hawthorne, NV
L. W. Bradshaw, Nye County, Pahrump, NV
R. R. Loux, State of Nevada, Carson City, NV
S. W. Lynch, State of Nevada, Carson City, NV
Josie Larson, White Pine County, Ely, NV
Mifflin and Associates, Las Vegas, NV
R. W. Andrews, BSC, Las Vegas, NV
R. A. Fenster, BSC, Las Vegas, NV
K. P. Finnegan, BSC, Las Vegas, NV
D. T. Krisha, BSC, Las Vegas, NV
R. D. Oliver, BSC, Las Vegas, NV
R. E. Rucinski, BSC, Las Vegas, NV
R. F. Sievert, BSC, Las Vegas, NV
N. H. Williams, BSC, Las Vegas, NV
S. E. Archuleta, NQS, Las Vegas, NV
P. V. Auer, NQS, Las Vegas, NV
R. P. Hasson, NQS, Las Vegas, NV
File, NQS, Las Vegas, NV
Stephan Brocoum, DOE/YMSCO, Las Vegas, NV
J. R. Dyer, DOE/YMSCO, Las Vegas, NV
D. G. Horton, DOE/YMSCO, Las Vegas, NV
S. P. Mellington, DOE/YMSCO, Las Vegas, NV
M. E. Van Der Puy, DOE/YMSCO, Las Vegas, NV
V. W. Trebules, DOE/YMSCP, Las Vegas, NV
J. D. Ziegler, DOE/YMSCO, Las Vegas, NV

**OFFICE OF CIVILIAN RADIOACTIVE WASTE MANAGEMENT
QUALITY ASSURANCE SURVEILLANCE REPORT**

QA: QA
Page 1 of 1
QA Surveillance Number:
OQA-02-S-14

Complete only applicable items.

1. Organization/Location Bechtel SAIC Company, LLC Las Vegas, NV	2. Subject Software related to the use of Measuring and Test Equipment (M&TE)	3. Date(s) Performed July 8, 2002
--	--	--------------------------------------

4. Surveillance Scope
All M&TE related software in use by the Data Collection/Data Management Section of the Test Coordination Office (TCO) in Las Vegas and at the Exploratory Studies Facility (ESF) will be evaluated.

5. Requirement(s) (Procedure, Specification, Drawing, etc.) Determine whether software related to the use of M&TE should be qualified and baselined in accordance with AP-SI.1Q, Software Management, or whether it should be exempt from controls per AP-SI.1Q, Section 2.1.4. Section 2.1.4 provides the following exemption: "Acquired software that is embedded in the equipment or integral to the operations, maintenance, or calibration of measuring and test equipment and has not been developed or modified by the Affected Organization. This type of software is tested and controlled in accordance with AP-12.1Q...."	6. Originator <u>Sam E. Archuleta</u>
	Team Members <u>Christian Palay</u>

SURVEILLANCE RESULTS

7. Description/Details

At present, the TCO uses the following M&TE-related software:

- (1) TRW Yucca Mountain Data Collection System V1 (Software Tracking Numbers [STN]: 10721-1-00)
- (2) Geonet Suite V1.4 (STN: 10740-1.4-00)
- (3) Rock Modulus Slot Test V2.0 (STN: 10827-2.0-00)
- (4) TCO DMU V1.0 (STN: 10523-1.0-00)

All four codes have been fully qualified and are currently listed on the Software Baseline Report for the week ending June 28, 2002, with the above indicated STNs. Issuance of the STNs indicates that the codes are fully under software configuration control. Software User Requests for all four codes are on file in the Software Configuration Management (SCM) Library. There are no other M&TE-related codes being used, nor are there any other M&TE-related codes in the qualification process.

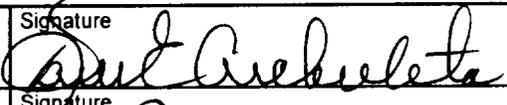
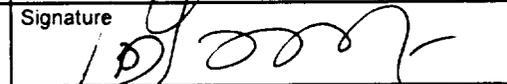
8. Persons (and their organizations) Contacted TCO: Ron Oliver, Fred Homuth, Richard Fenster, Rochelle Rucinski, Kean Finnegan, Robert Sievert SCM: Christine Smith	9. CAQ/NCR/TE Issued <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CAQ/NCR/TE Number(s): <u>N/A</u>
	Recommendation Issued <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CIRS Number(s): <u>N/A</u>

10. Surveillance Conclusions SAT UNSAT

Use of M&TE-related software within the TCO is deemed to be very satisfactory. TCO Management took a very conservative approach by deciding that all M&TE-related Software should be qualified and baselined, rather than invoking the exemption provided in AP-SI.1Q, Section 2.1.4. Existing software is not and has not been modified. Personnel interviewed indicated awareness and knowledge of the software modification issue and stated that there was no reason to modify existing codes.

Personnel contacted during the surveillance were well prepared and very cooperative.

There being no deficient conditions noted, nor any recommendations made, recommend this surveillance activity be considered closed.

11. Completed By (Originator) (Print Name) Sam E. Archuleta	Signature 	Date 7/11/02
12. Reviewed By (Appropriate QA Manager) (Print Name) Ram B. Murthy	Signature 	Date
13. Approved By (QVM) (Print Name) Ram B. Murthy	Signature 	Date 7/22/02