

7/1/96



Science Applications International Corporation  
An Employee-Owned Company

July 3, 1996

Richard E. Spence, Director  
Yucca Mountain Quality Assurance Division  
U.S. Department of Energy  
Yucca Mountain Site  
Characterization Office  
P.O. Box 98608  
Las Vegas, NV 89193-8608

**TRIP REPORT FROM THE U.S. GEOLOGICAL SURVEY (USGS) FOR REVIEW OF  
PROCUREMENT DOCUMENTS AS REFERENCED IN THE CORRECTIVE ACTION  
PLAN FOR CORRECTIVE ACTION REQUEST (CAR) YMQAD-96-C004**

The objective of the trip to USGS in Denver, Colorado, during the period of June 10-14, 1996, was to review all closed purchase orders (PO) and Memorandum of Agreements (MOA) since the end of fiscal year (FY) 1995 to determine if: 1) the supplier is on the Qualified Suppliers List (QSL); 2) the supplier is working directly to its own approved quality assurance (QA) program or working directly to the USGS QA program; and 3) the supplier is not on the QSL and/or not working directly to the USGS QA program, but has been found to be acceptable by other means. This review was conducted by Robert B. Constable, U.S. Department of Energy and Daniel A. Klimas, Yucca Mountain Quality Assurance Division/Quality Assurance Technical Support Services.

A total of nineteen closed POs were reviewed. There were no closed MOAs for FY 1996, as MOAs are issued on an annual basis. The results of the review revealed several problems. Some of the problems were resolved while the review was in progress. Other problems which could not be immediately resolved were documented by USGS on Deficiency Report USGS-96-D004.

Enclosed with this report are the details of the results of the review performed on the procurement documents, and the disposition of each review. During the review process, the USGS QA Manager and staff were available to answer questions and make corrections as necessary.

11  
NH03  
WM-11  
102.7

9608070038 960703  
PDR WASTE  
WM-11 PDR

P.O. Box 88608, Las Vegas, Nevada 89193-8608 • (702) 794-5400 • Fax (702) 794-1328

Other SAIC Offices: Boston, Colorado Springs, Dayton, Huntsville, Las Vegas, Los Angeles, McLean, Oak Ridge, Orlando, Palo Alto, Seattle, Tucson

Richard E. Spence

-2-

July 3, 1996

If you have any questions regarding the review or enclosed results, please feel free to contact either me at 794-1490 or Daniel A. Klimas at 794-1495.



Woody W. Hudson, Deputy Program Manager  
Quality Assurance Technical Support Services

WWH:jkm:L96-042

Enclosure:  
Closed Purchase Order Review

cc w/encl:

R. A. Kettell, QATSS, Las Vegas, NV  
D. A. Klimas, QATSS, Las Vegas, NV  
J. S. Martin, QATSS, Las Vegas, NV  
R. L. Maudlin, QATSS, Las Vegas, NV  
File, QATSS, Las Vegas, NV  
R. B. Constable, YMQAD, NV  
M. R. Diaz, YMQAD, NV  
Records Processing Center

**CLOSED PURCHASE ORDER REVIEW**

<b>Purchase Order #</b>	<b>Supplier</b>	<b>QSL</b>	<b>Comments</b>
95-SA-01585 Modification	Intertyme Metrology Laboratory, Inc.	Y	Calibration Services (AC/DC Decade Resistor). Standard QA requirements for suppliers of calibrations. Acceptance requirements were referenced in PO.
1434-CR-95-SA-544	Intertyme Metrology Laboratory, Inc.	Y	Calibration Services (AC/DC Decade Resistor). Standard QA requirements for suppliers of calibrations. Appropriate quality and technical requirements included in PO.
1434-CR-95-SA-01715	Mountain States Micrographics	Y	Reprocess and duplication of film of seismic data. Quality and technical requirements referenced in PO. Removed from QSL, June 1996.
96-SA-00526	Barbara Hersch	N	Augmented Staff (i.e., personal services contract). Used for training and document control. QA requirements referenced in PO.
1434-CR-96-SA-00510	Certified Balance Service	Y	Calibration Services. Balance Calibration and Repair. Inadequate QA requirements in PO. QA requirements included in subsequent PO 96-SA-00452.
1434-CR-SA-00434	Paul Vander Heijde	N	Augmented Staff (i.e., personal services contract). Used for technical review of ground water flow model. Qualification requirements missing. DR# USGS-96-D004.
94-PO-0078	NOSAMS McLean Laboratory	N	Analytical Laboratory. Radio carbon analysis. PO modification, July 19, 1994, canceled PO. Work never done.

Purchase Order #	Supplier	QSL	Comments
1434-CR-96-SA-00307	Dr. John F. Schneider	N	Augmented Staff (i.e., personal services contract). Used for technical review of earthquake data. Qualifications not documented. DR# USGS-96-D004.
1434-CR-96-SA-00405	Norman Abrahamson	N	Augmented Staff (i.e., personal services contract). Used for technical review of earthquake data. Qualifications not documented. DR# USGS-96-D004.
1434-CR-96-SA-00371	Beth Wildman	N	Augmented Staff (i.e., personal services contract). Used for technical review of thermoluminescence analysis of samples. Qualification not documented. DR# USGS-96-D004.
1434-CR-96-SA-00517	Beta Analytical	Y	Analytical Laboratory. Analysis 20-40 Calcium Carbonate samples. No QA requirements attached to PO. CAR# YMQAD-96-C004
1434-CR-96-SA-496	Mildred Murray	N	Augmented Staff (i.e., personal services contract). Used for review and oversight in elimination of duplicate records. Appropriate requirements in PO.
1434-CR-96-SA-00230	University of Colorado INSTARR	Y	Analytical Laboratory. Analysis of PORE water extracted from UZ core. Inadequate requirements in PO. CAR# YMQAD-96-C004.
96-C-40098	Desert Research Institute	Y	Analytical Services. Radiocarbon Age Dating. No revisions or work done to contract after May 1993. Letter dated May 1996, terminated contract. Subsequent PO# 96-SA-00498 issued.
95-C-40195	Pacific Western Technologies	N	Augmented Staff (i.e., personal services contract). Support studies 8.3.1.4.2.1, 8.3.1.4.2.2, 8.3.11.7.3.1, 8.3.11.7.4.5., and 8.3.1.5.1.4. Appropriate requirements referenced in PO.

Purchase Order #	Supplier	QSL	Comments
94-C-40137	Foothill Engineering Consultants	N	Augmented Staff (i.e., personal services contract). Support studies 1.2.3.3.1, 8.3.1.2.3.1, 8.3.1.2.2.1, 8.3.1.2.1.1, and 8.3.1.2.2.3.1. Appropriate requirements referenced in PO.
96-SA-00453	Pacific Engineering & Analysis	N	Augmented Staff (i.e., personal services contract). Used for technical review of earthquake scenario motion data. Appropriate requirements referenced in PO.
96-SA-00510	Certified Balance Service	Y	Calibration Services (Balance equipment). Standard QA requirements for suppliers of calibrations services. No acceptance requirements in PO. Acceptance requirements added to subsequent PO# 96-SA-00452.
96-SA-00036	Huffman Laboratories	Y	Analytical Laboratory. Analysis of cation and ion concentrations in small water volumes by ICP/IC methods. Inadequate requirements in PO. CAR# YMQAD-96-C004.