



QA: QA

April 15, 2002

Paul George, Operations Manager
Schlumberger Well Services
Western States Division
2841 Pegasus Drive
Bakersfield, CA 93308

**BECHTEL SAIC COMPANY, LLC (BSC) QUALITY ASSURANCE (QA) SUPPLIER AUDIT
REPORT BSC-SA-02-013 OF SCHLUMBERGER WELL SERVICES**

Enclosed is the Supplier Audit Report BSC-SA-02-013 of Schlumberger Well Services (SWS) that was performed on February 26, 2002 at borehole NC-EWPD-22S, Area 25 of the Yucca Mountain Project (YMP) site, and on March 6-7, 2002 at their Bakersfield, California District Office to evaluate the implementation and effectiveness of SWS's Quality Program. SWS provides geophysical logging services.

The audit revealed effective implementation of the quality requirements identified in the BSC Purchase Order 24540-100-PO-11637 and TRW Environmental Safety Systems Inc. Purchase Order A11637YS9A, Operations Quality Manual, Revision E, and supporting implementing procedures, with the exception of one condition adverse to quality in the area of Test Control. Deficiency Report (DR) BSC(V)-02-D-091 was issued to document the condition adverse to quality.

As a result of the audit, SWS will remain on the Office of Civilian Radioactive Waste Management, Qualified Suppliers List on a triennial audit schedule for the scope of services, with the restriction that SWS submit copies of SWS procurement documents and supplier qualification documentation for review and concurrence by the purchaser, prior to issuance for the use of any sub-tier suppliers used to support YMP quality affecting activities. Additionally, audits or surveillances, prior to the next scheduled audit, may be performed upon closure of BSC(V)-02-D-091 or based on QA program changes, scope of work changes, and/or supplier performance as deemed necessary.

This audit is considered complete and closed as of the date of this letter.

*D. Gibson
wm-11*

Page 2

If you have any questions, please contact either Richard L. Weeks at (702) 295-0629 or Daniel A. Klimas at (702) 295-2665.



Donald T. Krishna, Manager
Quality Assurance

4/15/02
Date Signed

RLW:bw-0405022101

Enclosure:
Supplier Audit Report BSC-SA-02-013

April 15, 2002

Page 3

cc w/encl:

L. H. Barrett, DOE/HQ (RW-2) FORS
G. K. Beall, BSC, Las Vegas, NV
L. W. Bradshaw, Nye County, Pahrump, NV
Margaret Chu, DOE/HQ (RW-1) FORS
J. R. Dyer, DOE/YMSCO, Las Vegas, NV
Leonard Fiorenzi, Eureka County, Eureka, NV
Birdie Hamilton-Ray, DOE/YMSCO, Las Vegas, NV
Geneva Hollis, Nye County, Tonopah, NV
Alan Kalt, Churchill County, Fallon, NV
D. A. Klimas, BSC, Las Vegas, NV
D. T. Krishna, BSC, Las Vegas, NV
Josie Larson, White Pine County, Ely, NV
Robert Latta, NRC, Las Vegas, NV
R. R. Loux, State of Nevada, Carson City, NV
S. W. Lynch, State of Nevada, Carson City, NV
George McCorkell, Esmeralda County, Goldfield, NV
Mifflin and Associates, Las Vegas, NV
Ram Murthy, DOE/OQA, Las Vegas, NV
Irene Navis, Clark County, Las Vegas, NV
Andrew Remus, County of Inyo, Independence, CA
Judy Shankle, Mineral County, Hawthorne, NV
N. K. Stablein, NRC, Rockville, MD
Lola Stark, Lincoln County, Caliente, NV
D. D. vonderLinden, BSC, Las Vegas, NV
N. H. Williams, BSC, Las Vegas, NV
B. L. Wilson, BSC, Las Vegas, NV
Mickey Yarbrow, Lander County, Battle Mountain, NV

cc w/encl:

R. W. Andrews, BSC, Las Vegas, NV
R. L. Maudlin, BSC, Las Vegas, NV
K. T. McFall, BSC, Las Vegas, NV
M. T. Peters, BSC/LANL, Las Vegas, NV
T. B. Reynolds, BSC/ISS, Las Vegas, NV
R. L. Weeks, BSC, Las Vegas, NV

QA: QA

**BECHTEL SAIC COMPANY, LLC (BSC)
QUALITY ASSURANCE**

SUPPLIER AUDIT REPORT

OF

SCHLUMBERGER WELL SERVICES (SWS)

BAKERSFIELD, CALIFORNIA

REPORT NUMBER BSC-SA-02-013

FEBRUARY 26 AND MARCH 6-7, 2002

Prepared by: Richard L. Weeks
Richard L. Weeks
Audit Team Leader
BSC Quality Assurance

Date: 4-11-02

Approved by: Donald T. Krisha
Donald T. Krisha, Manager
BSC Quality Assurance

Date: 4/15/02

1.0 AUDIT SUMMARY

BSC conducted a supplier audit of Schlumberger Well Services (SWS) on March 6-7, 2002, at their Bakersfield, California facility and at borehole NC-EWPD-22S, Area 25 of the Yucca Mountain Project (YMP) site on February 26, 2002. SWS provides geophysical logging services. The results of the audit revealed effective implementation of the SWS Quality Program, with the exception of one deficient condition relating to Test Control. The condition adverse to quality is documented in Deficiency Report (DR) BSC(V)-02-D-091. Details of the deficient condition are provided in Section 5.0 of this report.

As a result of the audit, SWS will remain on the Office of Civilian Radioactive Waste Management (OCRWM), Qualified Suppliers List (QSL) on a triennial audit schedule for the scope of services, with the restriction that SWS submit copies of SWS procurement documents and supplier qualification documentation for review and concurrence by the purchaser, prior to issuance for the use of any sub-tier suppliers used to support YMP quality affecting activities. Additionally, audits or surveillances, prior to the next scheduled audit, may be performed upon closure of BSC(V)-02-D-091 or based on QA program changes, scope of work changes, and/or supplier performance as deemed necessary.

2.0 SCOPE

The supplier audit was conducted to evaluate the implementation and effectiveness of SWS's Quality Program as described in the SWS Operations Quality Manual, Revision E, dated 09/30/1998, associated implementing procedures and requirements identified in the Statement of Work (SOW), Revision 01, dated October 2, 2000, associated with BSC Purchase Order 24540-100-PO-11637 and TRW Environmental Safety Systems, Inc. Purchase Order A11637YS9A. The QA program elements determined to be applicable are: Organization; QA Program; Procurement Document Control; Implementing Documents; Document Control; Control of Purchased Items and Services; Test Control; Control of Measuring and Test Equipment; Nonconformance Control; Corrective Action; QA Records; Audits; and Software.

The details of the audit, along with the objective evidence reviewed, are contained within the audit checklist, which is available from the BSC Records Processing Center.

3.0 AUDIT TEAM MEMBERS AND OBSERVERS

Richard L. Weeks, Audit Team Leader, BSC QA
Kenneth T. McFall, Audit Team Member, BSC QA

4.0 PERSONNEL CONTACTED DURING THE AUDIT

Paul Able, Quality, Health, Safety and Environment Manager, SWS, Bakersfield, CA

Paul George, District Manager, SWS, Bakersfield, CA

Jay Rampersad, Service Quality Coach, SWS, Bakersfield, CA

Paul Rinas, General Electronic Technician, SWS, Bakersfield, CA

Carl J. Turner, Field Technician, SWS, Bakersfield, CA

Tom Wood, Radiation and Explosive Compliance Specialist, SWS, Sugarland, TX

5.0 CONDITIONS ADVERSE TO QUALITY / RECOMMENDATIONS FOR IMPROVEMENT

The condition adverse to quality has been documented on DR BSC(V)02-D-091 and submitted to BSC responsible management for resolution. The DR is detailed below.

DEFICIENCY REPORT

DR BSC(V)-02-D-091

The Schlumberger Well Services Operations Quality Manual, Revision E, Section 10.3 requires that, "The Wellsite Log Quality Checklist be completed by the Logging Engineer before the field logs are released to the customer...."

Contrary to the above requirement, the following condition was identified:

There was no objective evidence provided by the SWS Logging Engineer that the Wellsite Log Quality Checklist was generated for work performed during logging operations at borehole NC-EWPD-22S.