



Department of Energy

Washington, DC 20585

SEP 19 1997

QA: L

R. W. Craig, Technical Project Officer  
for Yucca Mountain Site  
Characterization Project  
U.S. Geological Survey  
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**AUDIT REPORT FOR THE U.S. DEPARTMENT OF ENERGY OFFICE OF CIVILIAN  
RADIOACTIVE WASTE MANAGEMENT OFFICE OF QUALITY ASSURANCE (OQA)  
SUPPLIER AUDIT OQA-SA-97-024 OF CAMPBELL SCIENTIFIC, INC. (CSI)**

Enclosed is the Audit Report OQA-SA-97-024 of CSI. The audit was performed August 25-26, 1997, at its Logan, Utah, facility. The audit criteria is delineated in U.S. Geological Survey's (USGS) Purchase Order 1434-CR-97-SA-00067. The audit resulted in the issuance of one Deficiency Report (DR).

The DR relates to: (1) CSI's Operating Procedures do not address requirements that procurement documents include quality and technical requirements. As a result, procurement documents issued to subtier suppliers do not include these requirements; (2) no evidence could be provided to reflect supplier evaluation of Data Precision; (3) no documented evidence of traceability of Data Precision standards to the National Institute of Standards and Technology (NIST); (4) no evidence could be provided to reflect that CSI notified the USGS when standards used by CSI were found to be out-of-tolerance; (5) CSI Certificates of Calibration did not include an accuracy statement and did not, in all cases, reference the procedure and revision level used in performing the calibration; and (6) CSI has not issued an Operating Procedure for the control of quality assurance records.

The DR, with response due date, has been provided to USGS. Tracking of the DR will be the responsibility of the OQA.

The audit is considered complete and closed as of the date of this letter. Resolution to the DR will be evaluated by the OQA and closed as appropriate.

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R. W. Craig

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If you have any questions, please contact either James Blaylock at (702) 794-1420 or Richard L. Maudlin at (702) 794-1302.

*R.W. Craig*  
for Donald G. Horton, Director  
Office of Quality Assurance

OQA:JB-2370

Enclosure:

Audit Report OQA-SA-97-024

cc w/encl:

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