

# Memorandum

QA: QA

DATE: **MAY 20 2002**

REPLY TO

ATTN OF: RW-3 (James Blaylock/4-1420)

SUBJECT: U.S. DEPARTMENT OF ENERGY (DOE) OFFICE OF CIVILIAN RADIOACTIVE WASTE MANAGEMENT (OCRWM) OFFICE OF QUALITY ASSURANCE (OQA) SUPPLIER AUDIT OQA-SA-02-20 OF CHALK RIVER LABORATORIES (CRL)

TO: YMSCO/OPE (E. T. Smistad)

Enclosed is the Supplier Audit Report, OQA-SA-02-20, conducted by a team of auditors representing OCRWM OQA at CRL's facility in Chalk River, Ontario, Canada, on May 8-9, 2002.

The supplier audit was conducted to evaluate CRL's ability to implement the specific quality and technical requirements, as specified in DOE Contract Number DE-AC08-01NV12137.

The results of the audit revealed that CRL is effectively implementing their Quality Assurance Program and is meeting the quality and technical requirements described in the contract.

The audit team recommends CRL remain on the OCRWM Qualified Suppliers List and be maintained on an annual audit schedule as required by the contract.

If you have any questions, please contact either James Blaylock at (702) 794-1420 or Patrick V. Auer at (702) 794-1353.

OQA:JB-1205

Enclosure:  
Supplier Audit OQA-SA-02-20

*James Blaylock for*  
Ram B. Murthy, Acting Director  
Office of Quality Assurance

*NMSS 07  
WM-11*

MAY 20 2002

cc w/encl:

Margaret Chu, DOE/HQ (RW-1) FORS  
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  
Judy Shankle, 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. B. Rogge, CRL, Chalk River, Ontario, Canada  
J. H. Root, CRL, Chalk River, Ontario, Canada  
D. A. Klimas, BSC, Las Vegas, NV, M/S 280  
P. V. Auer, NQS, Las Vegas, NV  
R. P. Hasson, NQS, Las Vegas, NV  
File, NQS, Las Vegas, NV  
W. A. Seddon, YMSCO/AECL, Las Vegas, NV  
J. R. Dyer, DOE/YMSCO, Las Vegas, NV  
B. V. Hamilton-Ray, DOE/YMSCO, Las Vegas, NV  
J. M. Replogle, DOE/YMSCO, Las Vegas, NV  
B. M. Terrell, DOE/YMSCO, Las Vegas, NV

QA: QA

**U.S. DEPARTMENT OF ENERGY  
OFFICE OF CIVILIAN RADIOACTIVE WASTE MANAGEMENT  
OFFICE OF QUALITY ASSURANCE**

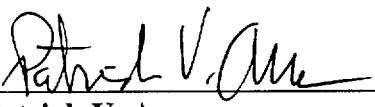
**SUPPLIER AUDIT REPORT**

**OF**

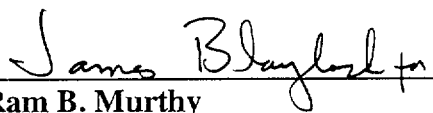
**CHALK RIVER LABORATORIES  
CHALK RIVER, ONTARIO, CANADA**

**REPORT NUMBER OQA-SA-02-20**

**May 8-9, 2002**

Prepared by:   
Patrick V. Auer  
Audit Team Leader  
Navarro Quality Services

Date: 5/13/2002

Approved by:   
Ram B. Murthy  
Acting Director  
Office of Quality Assurance

Date: 5/20/02

**ENCLOSURE**

## 1.0 EXECUTIVE SUMMARY

Supplier Audit, OQA-SA-02-20, of Chalk River Laboratories (CRL) was conducted May 8-9 2002, in Chalk River, Ontario, Canada. The audit determined the effective implementation of CRL's NPMR-ANDI 155, *Neutron Diffraction Determination of Residual Stress Distributions in Alloy 22 Test Specimens: A Feasibility Study*, Revision 0, and implementing procedures as they pertain to Contract Number DE-AC08-01NV12137, Technical Services Statement of Work for Neutron Diffraction Analysis

The results of the audit revealed that CRL is satisfactorily implementing their Quality Assurance (QA) Program and is meeting the quality and technical requirements described in the contract. No conditions adverse to quality were identified. As a result of this audit, it is recommended that CRL remain on the Office of Civilian Radioactive Waste Management Qualified Suppliers List and be maintained on an annual audit schedule as required by the contract.

## 2.0 SCOPE

The supplier audit was conducted to evaluate CRL's ability to implement the specific quality and technical requirements, as specified in Contract Number DE-AC08-01NV12137, and as required by their QA Program for the intended scope of work. The DOE/RW-0333P, Revision 11, *Quality Assurance Description and Requirements* Sections determined to be applicable were: Organization; Quality Assurance Program; Implementing Documents; Document Control; Corrective Action; Quality Assurance Records; Software; and Sample Control.

## 3.0 AUDIT TEAM AND OBSERVERS

Patrick V. Auer	Audit Team Leader/Navarro Quality Services (NQS), Las Vegas, NV
John R. Doyle	Auditor, NQS, Las Vegas, NV

## 4.0 PERSONNEL CONTACTED DURING FACILITY AUDIT

Ronald B. Rogge	Senior Research Officer, CRL, Chalk River, Ontario, Canada
John Fox	Senior Technical Officer, CRL, Chalk River, Ontario, Canada
John R. Root	Program Leader, CRL, Chalk River, Ontario, Canada

## 5.0 SUMMARY OF AUDIT RESULTS

Implementation of the CRL QA Program and compliance with the technical and quality requirements delineated in Contract Number DE-AC08-01NV12137 was determined to be effectively implemented to meet the intended scope of work. No conditions adverse to quality were identified during this audit.

The details of the audit, including the supporting objective evidence, are documented on the audit checklist that is retained in the supplier evaluation files.

## **6.0 DEFICIENCIES**

There were no deficiencies issued as a result of this vendor audit.