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**CENTER FOR NUCLEAR WASTE REGULATORY ANALYSES
QUALITY ASSURANCE
SURVEILLANCE REPORT**

PROJECT NO: 20-01402-159

REPORT NO: 2000-05

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SURVEILLANCE SCOPE: To determine whether there is effective implementation of the SwRI Nuclear QA Program.

REFERENCE DOCUMENTS: QAP-004 Surveillance Control Procedure; CNWRA QA Manual, Section 1.6.1(3); SwRI Nuclear Program Audits.

STARTING DATE: April 13, 2000

ENDING DATE: April 24, 2000

QA REPRESENTATIVE: Bruce Mabrito

PERSONS CONTACTED: S. Dannelly, T. Trbovich, R. Weber, SwRI Quality Assurance Department.

SATISFACTORY FINDINGS:

This surveillance took place in the Southwest Research Institute Quality Assurance Department and consisted of reviewing the SwRI Nuclear Program Audits, including internal audits and those by SwRI sponsors to determine if the audit results indicate effective implementation of the SwRI Nuclear QA Program Manual (NQAPM). The review verified that activities and personnel governed by the NQAPM meet the requirements equivalent to those of the CNWRA QA Program and that NQAPM qualified personnel, equipment and procedures may be used for CNWRA activities. The reports from the following audits were reviewed and it was determined that there is effective implementation of the NQAPM. Several of the audit reports were organized according to 10 CFR 50 Appendix B criteria, as expected. A range of nuclear-related activities conducted by SwRI, including those performed by various SwRI Divisions and Departments, were included in the audits reviewed. All the final audit reports were readily available, promptly produced and well documented. Audits reviewed included:

99-AR-014, August 12, 1999 – SwRI Instrumentation Radiation Safety Department, NQAPM and Standard Project Quality Plan for Storage of Irradiated Samples by the Radiation Safety Department; Audit Report stated the “implementation of the NQAPM...is effective.”

99-AR-15, August 30-Sept. 3, 1999 – SwRI Chemistry and Chemical Engineering Division, NQAPM and the Quality System Manual; Audit Report stated that existing Standard Operating Procedures are being effectively implemented.

99-AR-24, September 7-10, 1999 – SwRI Department of Fire Technology, NQAPM and ISO/IEC Guide 25 quality systems; Nuclear Project Quality Plans, NQA Procedures and Nuclear Projects Operating Procedures (NPOPs) reviewed; Audit Report stated effective implementation and “no critical system nonperformance is apparent,” although 3 CARs and 2 NCRs were issued.

00-AR-13, March 23, 2000 – SwRI Calibration Laboratory, operating under various SwRI Quality Systems including the NQAPM; Audit Report stated the Operating Procedures appear to be effectively implemented.

Raytheon, Inc. Audit RE&QP-AHM-99-075, April 20, 1999 – SwRI NQAPM audited in the areas of calibration, NDE personnel, calibration block design, calibration services; satisfactory audit results with continued inclusion on the Raytheon Approved Supplier List.

Pacific Gas & Electric Company, Nuclear Quality Services, California, Audit 980700006, June 15-18, 1998, with revisit to SwRI May 10, 1999 – SwRI checked for corrective actions with all actions complete and audit complete in May 1999; SwRI remained on the PG&E Qualified Suppliers List for Diablo Canyon Power Plant.

U.S. Enrichment Corporation (A Global Energy Company), Supplier Evaluation Report, PORTS-00-002, originating from the Portsmouth Gaseous Diffusion Plant in Ohio, January 6 and 12, 2000 – SwRI Institute QA Program was reviewed, for 1S Cylinder Overpaks (the Nuclear Utilities Procurement Issues Committee audit of 1998 was referenced in this report), and SwRI was found acceptable.

IHI-Southwest Audit 99-02, October 6-7, 1999 – SwRI NQAPM audited in all pertinent areas related to NPP primary vessel inspection; one finding in the SwRI Calibration Laboratory receiving inspection area but the conclusion was an effective quality system.

Global Nuclear (GE-Nuclear Energy, San Jose, California), January 25-27, 2000 – Low level radioactive material packaging/UO2 powder shipping package testing, and other activities audited; Audit Report issued no findings, although the formal report had not yet been received at the time of this CNWRA surveillance.

UNSATISFACTORY FINDINGS: None

NONCONFORMANCE REPORT NO: N/A

ATTACHMENTS: None, all reviewed records are in the SwRI QA Department.

RECOMMENDATIONS/ACTIONS: None

APPROVED: *B. Mabrito*
CENTER DIRECTOR OF QUALITY ASSURANCE

DATE: 4/26/2000

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