



# CENTER FOR NUCLEAR WASTE REGULATORY ANALYSES

## QUALITY ASSURANCE

### SURVEILLANCE REPORT

PROJECT NO.: 20-1402-159

REPORT NO.: 98-09

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**SURVEILLANCE SCOPE:** As required by CNWRA Quality Assurance Manual Section 1.6.1(3), SwRI Nuclear QA Program audits, both internal and by clients, were reviewed to determine if the audit results indicate effective implementation of the Nuclear QA Program Manual (NQAPM). This review is performed to verify that activities and personnel governed by the NQAPM meet requirements equivalent to those of the CNWRA QA Program, and that NQAPM qualified personnel, equipment, and procedures may be used for CNWRA activities.

**REFERENCE DOCUMENTS:** 1. CNWRA Quality Assurance Manual, Section 1.6.1(3); 2. QAP-004 Surveillance Control Procedure.

**STARTING DATE:** 06/5/98

**ENDING DATE:** 06/5/98

**QA REPRESENTATIVE:** B. Mabrito

**PERSONS CONTACTED DURING SURVEILLANCE:** S. Dannelly, SwRI QA.

**SATISFACTORY FINDINGS:** The following SwRI May 1997 through May 1998 internal audits were reviewed. Internal QA Audit Report No. 97-AR-18, SwRI NQAPM and Standard Inspection System (SIS) Manual for the NDE Science & Technology Division, May 19-23, 1997; Audit Report No. 97-AR-20, NQAPM/DOD NASA QA Procedures Manual, Instrument and Space Research Division, June 9-13, 1997; Audit Report No. 97-AR-23, NQAPM and Good Laboratory Practices Manual, Chemistry & Chemical Engineering Division, July 21-31, 1997; Audit Report No. 98-AR-1, NQAPM and SIS Manual, Mechanical & Fluids Engineering Division, February 9-13, 1998; Audit Report No. 98-AR-2, Requirements of Z540 and Calibration System Operating Procedures, SwRI Calibration Lab, February 8-13, 1998; Audit Report No. 98-AR-5, NQAPM and Petroleum Products Research Department Standard Operating Procedures, Automotive Products & Emissions Research Division, March 16-20, 1998; Audit Report No. 98-AR-4, NQAPM and Pressure Vessel Quality Manual, Materials & Structures Division, May 2-6, 1998; Audit Report No. 98-AR-11, NQAPM, DOD/NASA QA Procedures, Quality System Manual, Operating Policies & Procedures Manual, Administrative Procedure AP-1 "Administrative Review of Prospective Work Assignments;" May 11-14, 1998; Audit Report No. 98-AR-12, NQAPM, NDE Science & Technology Division, May 18-22, 1998.

There were two external, third-party client audits during the period of May 1997 through May 1998. Westronics Corporation audited SwRI to ensure satisfactory performance in the areas of IEEE-323, IEEE-344, and TR-102323A; these included NQAPM requirements in the Mechanical & Fluids Engineering Division and the EMC Laboratory. Westronics used a subset of the NUPIC checklist, Revision 8, for the audit of SwRI. Calibration, general QA, 10 CFR Part 21, Documentation Control, Internal Audits, Corrective Action, Training and Certifications were reviewed. There was one finding and one observation, both of which have been addressed and closed out. In a second client audit, Whittaker Safety Systems audited the SwRI Fire Testing Services in a general "Quality Audit" and noted no problems with the SwRI quality system.

An evaluation of the internal QA audits and the two external, third-party audits indicated effective implementation of the SwRI NQAPM. In addition, the full range of nuclear-related activities conducted by SwRI seem to be adequately audited. Records were more readily available and appeared to be well-organized.

SwRI Supplier Audits were also reviewed and they included the following organizations audited from April 1997 through December 1997. Lenape Forge, Inc.; Scott Specialty Gases; J&W Scientific; MET-L-CHEK; Duro-Sense; Veeco Instruments; TU Electric Metrology Laboratory; Varlen Precision Scientific Petroleum Instruments Company; MetaSpec Company.

**UNSATISFACTORY FINDINGS:** None.

**NONCONFORMANCE REPORT NO.:** None.

**ATTACHMENTS:** None.

**RECOMMENDATIONS/ACTIONS:** None.

**APPROVED:**

CENTER DIRECTOR OF QUALITY ASSURANCE

**DATE:**

6/10/98

**DISTRIBUTION:**

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ORIGINATOR B. Mabrito  
PRINCIPAL ENGINEER N/A  
ELEMENT MANAGERS  
DIRECTORS, M. Ehnstrom