

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

SUPPLIER SURVEY REPORT

OF

FTI ANAMET

HAYWARD, CALIFORNIA

REPORT NUMBER OQA-SFE-97-002
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1.0 EXECUTIVE SUMMARY

Anamet Laboratories was purchased by Forensic Technologies International Corporation (FTI) on December 17, 1996. Their name was changed to FTI Anamet as a result of the acquisition. The acquisition has no impact on FTI Anamet operations except for the name change and the organization reporting relationship.

FTI Anamet's technical capabilities include Chemical Analysis Material Testing, Mechanical Testing, Mectrostructural Analysis, Corrosion Characterization, Fractography and Fracture Mechanics Analysis, and Macroscopic and Mecroscopic Examinations.

The supplier survey of FTI Anamet revealed inadequate conditions resulting in two recommendations to FTI Anamet's quality program for the Office of Civilian Radioactive Waste Management (OCRWM) activities. Both recommendations relate to program shortcomings in the area of Control of Measuring and Test Equipment. Overall, it was determined that for the elements evaluated, FTI Anamet's quality program is satisfactory and effective.

The discrepancies identified during the survey were discussed with FTI Anamet's Quality Control Manager.

2.0 SCOPE

The supplier survey was conducted at the request of Lawrence Livermore National Laboratory (LLNL) to evaluate the technical and quality capabilities of FTI Anamet's facility, personnel, and quality program to satisfy the requirements for the intended scope of work and appropriate OCRWM Quality Assurance (QA) program requirements. The OCRWM QA program elements determined to be applicable were: Organization, QA Program, Procurement Document Control, Instructions, Procedures and Drawings, Document Control, Control of Purchased Items and Services, Identification and Control of Items, Inspection, Test Control, Control of Measuring & Test Equipment, Handling, Storage & Shipping, Inspection Test and Operating Status, Control of Nonconforming Items, Corrective Action, QA Records, and Audits.

The technical areas evaluated during the survey were as follows:

Sample Processing/Machining/Testing
Laboratory Facilities
Lab Equipment/M&TE

3.0 AUDIT TEAM AND OBSERVERS

Donald J. Harris, Survey Team Leader, Office of Quality Assurance (OQA).
Emily S. Reiter, Survey Team Members, Office of Quality Assurance (OQA)

4.0 PERSONNEL CONTACTED DURING FACILITY AUDIT

Christine M. Gibney, QC Manager, FTI Anamet
Erich S. Phillips, Director, FTI Anamet
Edward Flora, Mechanical Engineer (Former President/CEO FTI Anamet)
Edward A. Foreman, Sr. Materials Consultant, FTI Anamet
Charles J. Schwartz, Lead Chemist, FTI Anamet
Forrest B. Reasoner, Metalographer, FTI Anamet
Robert C. Heindel, Mechanical Test Technician, FTI Anamet
Gary N. Bradley, Senior Machinist, FTI Anamet
Yun Chung, Senior Metallurgical Engineer, FTI Anamet

5.0 SUMMARY OF AUDIT RESULTS

FTI Anamet's quality program effectively addresses all applicable elements of the OCRWM Quality Assurance Requirements and Description (QARD) for the intended scope of work, except for the retention of Quality Records, which are retained in file cabinets and banker box in their facility for seven years. FTI Anamet's quality program has provision for supplying all appropriate records to their customers upon request.

FTI Anamet was recently audited by Pacific Gas & Electric (PG&E), Diablo Canyon Quality Organization. Consequently, because of some audit findings, FTI Anamet is currently revising their Quality Control Manual. The proposed Revision (9) was reviewed for impact. It was determined that the changes would have no impact and would be classified as program enhancements.

During the program implementation evaluation of the Control of Measuring and Test Equipment, two program shortcomings were identified. These program shortcomings are identified and described in Section 6.0, "Recommendations." The technical evaluation revealed that process controls and personnel qualifications performing chemical analysis and mechanical and materials testing were satisfactory. With the resolution of the recommendations identified in Section 6.0 of this report, FTI Anamet's personnel, facilities, equipment and quality program were determined to be acceptable for providing chemical analysis, mechanical, and materials testing.

The details of the survey, along with the objective evidence reviewed, are contained within the survey checklist which is available from the OQA's quality supplier evaluation files.

6.0 RECOMMENDATIONS/OBSERVATIONS

The recommendations were discussed with FTI Anamet QC Manager and should be resolved prior to commencement of testing for LLNL. Recommendation #2 will require revision of test forms to address the requirements of the QARD.

1. Complete internal calibration certification records. The calibration certification records from January through March 1997 are incomplete. The standards used for calibration are identified by serial number; however, the recall date and National Institute of Standards and Technology (NIST) traceability number were not

recorded on the forms as required. This information is available in FTI Anamet's log book of calibration certificates provided by the calibration suppliers. In addition, some of the certification were not signed by FTI Anamet's Calibration Technician.

2. Revise test forms to include provisions for recording M&TE control numbers, the M&TE calibration due date, and testing equipment used.