

QUALITY ASSURANCE PROGRAM  
FOR RADIOACTIVE MATERIAL PACKAGES

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Exhibit A      Qualitest, Inc. Organization Chart

## QUALITY ASSURANCE PROGRAM FOR RADIOACTIVE MATERIAL PACKAGES

### 1.0 SCOPE

- 1.1 This Quality Assurance Program responds to the requirements of Subpart H of 10 CFR Part 71 and is applicable to Qualitest, Inc. radioactive sources which are included in the scope of 10 CFR 71.

### 2.0 ORGANIZATION

- 2.1 Design and fabrication of radioactive material shipping packages shall not be conducted under this Quality Assurance Program.
- 2.2 The final responsibility for the Quality Assurance Program for Part 71 Requirements rests with Qualitest, Inc., a wholly owned subsidiary of U.S. Testing Co., Inc.
- 2.2.1 The Quality Assurance Program is implemented using the organization chart seen in Exhibit A.

### 3.0 RESPONSIBILITIES

- 3.1 The Director, Corporate Quality Assurance and Radiation Safety is responsible for overall administration of the program, training and certification, document control and auditing.
- 3.2 The Operations Managers are responsible for assisting the Radiation Safety Officers that are in their perspective regions, on matters relating to this program.
- 3.3 Radiation Safety Officers are assigned for each permanent work location. They are responsible to the Operations Manager for the administration of the program, training and certification, document control and overall surveillance of those activities pertaining to the assigned work locations. They reserve direction from the Director as required.

### 4.0 QUALITY ASSURANCE PROGRAM

- 4.1 The management of Qualitest, Inc. establishes and implements this Quality Assurance Program. Training for all QA functions, prior to engagement in these functions, is required according to written procedures. QA Program revisions will be made according to written procedures with management approval. The QA Program will insure that all defined QC procedures, engineering procedures, and specific provisions of the package design approval are satisfied. The QA Program will emphasize control of the characteristics of the package which are critical to safety.

## **QUALITY ASSURANCE PROGRAM FOR RADIOACTIVE MATERIAL PACKAGES**

4.2 The Director, Corporate Quality Assurance and Radiation Safety shall assure that all radioactive material shipping packages are designed and manufactured under a Quality Assurance Program approved by the Nuclear Regulatory Commission for all packages designed or fabricated after January 1, 1979. This requirement can be satisfied by receiving a certification to this effect from the manufacturer or supplier of the package.

### **5.0 DOCUMENT CONTROL**

5.1 All documents related to a specific shipping package will be controlled through the use of written procedures. All document changes will be performed according to written procedures approved by management.

5.2 The Director, Corporate Quality Assurance and Radiation Safety shall insure that all QA functions are conducted in accordance with latest applicable changes to these documents.

### **6.0 HANDLING STORAGE AND SHIPPING**

6.1 Written safety procedures concerning the handling, storage and shipping of packages for certain special form radioactive material will be followed. Shipments will not be made unless all tests, certifications, acceptances, and final inspections have been completed. Work instructions will be provided for handling, storage and shipping operations.

6.2 Radiography personnel shall perform the critical handling, storage and shipping operations.

### **7.0 INSPECTION, TEST AND OPERATING STATUS**

7.1 Inspection, test and operating status of packages for certain special form radioactive material will be indicated and controlled by written procedures. Status will be indicated by tag, label, marking or log entry. Status of conforming parts of packages will be positively maintained by written procedures.

7.2 Radiography personnel shall perform the regulatory required inspections and tests in accordance with written procedures. The Radiation Safety Officer shall ensure that these functions are performed.

## QUALITY ASSURANCE PROGRAM FOR RADIOACTIVE MATERIAL PACKAGES

### 8.0 QUALITY ASSURANCE RECORDS

8.1 Records of package approvals (including references and drawings), inspections, tests, operating logs, audit results, personnel training and qualifications and records of shipments will be maintained. Descriptions of equipment and written procedures will also be maintained.

8.2 These records will be maintained in accordance with written procedures. The records will be identifiable and retrievable. A list of these records, with their storage locations, will be maintained by the Director, Corporate Quality Assurance and Radiation Safety or his designee.

### 9.0 AUDITS

9.1 Established schedules of audits of the Quality Assurance Program will be performed using written checklists. Results of audits will be maintained and reported to management. Audit reports will be evaluated and deficient areas corrected. The audits will be dependent on the safety significance of the activity being audited, but each activity will be audited at least once per year. Audit reports will be maintained as part of the quality assurance records. Members of the audit team shall have no responsibility in the activity being audited.

# RADIATION SAFETY PROGRAM QUALITEST INC.

