

CSC NDE Section
Industrial Radiography Program

Section: **Quality Assurance Program For
Transportation Packaging**
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**7.0 QUALITY ASSURANCE PROGRAM FOR
TRANSPORTATION PACKAGING PER
10CFR71, AS APPLICABLE TO INDUSTRIAL
RADIOGRAPHY**

7.1 ORGANIZATION

The final responsibility for the Quality Assurance Program for 10CFR71 requirements rest with the CENTERIOR SERVICE Company. Design and fabrication of radioactive material shipping packages are not conducted under this Quality Assurance Program. The Quality Assurance Program is implemented using the organization specified in section 4 of CENTERIOR SERVICE Company's Industrial Radiography Program.

The Radiation Safety Officer is responsible for overall administration of the program, training and certification, document control and auditing.

7.2 QUALITY ASSURANCE PROGRAM

The management of the CENTERIOR SERVICE Company established 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 are made according to written procedures with management approval. The QA Program emphasizes control of the characteristics of the package which are critical to safety.

The Radiation Safety Officer 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 1 January 1979. This requirement can be satisfied by receiving a certification to this effect from the manufacturer.

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7.3 DOCUMENT CONTROL

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

The Radiation Safety Officer shall insure that all QA functions are conducted in accordance with the latest applicable changes to these documents.

7.4 HANDLING, STORAGE, AND SHIPPING

Procedures concerning the handling, storage and shipping of packages for certain special form radioactive material are provided. Shipments will not be made unless all test, certifications, acceptances, and final inspections have been completed.

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

7.5 INSPECTION, TEST AND OPERATING STATUS

Inspection, test and operating status of packages for certain special form radioactive material are indicated and controlled by written procedures. Status is indicated by tags, labels, markings or log entries. Status of nonconforming parts or packages is positively maintained by written procedures.

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.

7.6 AUDITS

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

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7.7 QUALITY ASSURANCE RECORDS

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

The records shall be identifiable, retrievable and maintained in fireproof cabinets by the Radiation Safety Officer.