

SCIENTIFIC INSPECTION TECHNOLOGY, INC.

RSPM-2

QUALITY ASSURANCE PROGRAM FOR
TRANSPORTATION/PACKING OF RADIOACTIVE MATERIAL

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QUALITY ASSURANCE PROGRAM
FOR THE TRANSPORTATION/PACKAGING OF
RADIOACTIVE MATERIAL

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1.0 Purpose

- 1.1 The following document is Scientific Inspection Technology, Inc.'s Quality Assurance Program for Transportation/Packaging of Radioactive Material (RSPM-2). Scientific Inspection Technology, Inc. shall execute and maintain a Quality Assurance Program for shipping packages for transporting those quantities of radioactive material licensed to Scientific Inspection Technology, Inc. as required, pursuant to Section 71.51 of 10 CFR Part 71.

2.0 Scope

- 2.1 As Scientific Inspection Technology, Inc. neither designs nor manufactures shipping packages for transportation of radioactive material, Scientific Inspection Technology, Inc.'s Quality Assurance Program shall establish those requirements for Scientific Inspection Technology, Inc.'s employees which will insure:
 - 2.1.1 All packages used for the shipment of radioactive material have been approved for use by the USNRC and are in proper condition for shipment prior to any shipment being made.
 - 2.1.2 All radioactive material received by Scientific Inspection Technology, Inc. has been shipped in proper condition in accordance with Federal, State and Local Regulations.
 - 2.1.3 Quality Control is maintained through a maintenance and audit program of all packages used by Scientific Inspection Technology, Inc. in the transportation of radioactive material.

3.0 Organization

- 1.1 Scientific Inspection Technology, Inc. assumes the final responsibility for the Quality Assurance Program for 10 CFR Part 71 requirements.
- 1.2 The Design and Fabrication of radioactive material shipping packages shall not be conducted under this Quality Assurance Program.
- 1.3 The Quality Assurance Program is implemented in conjunction with the organizational chart. (Attachment "1")
- 1.4 The Radiation Safety Director shall be responsible for assuring compliance with the Quality Assurance requirements of Part 71 and for overall administration of the Quality Assurance Program. His duties shall include, but not be limited to responsibility for training, certification, document control and auditing.
- 1.5 Radiographers shall be responsible for handling, storing, shipping, inspection tests, operating status, and record keeping in accordance with established procedures.

3.0 Organization Chart



4.0 Quality Assurance Program

- 4.1 The management of Scientific Inspection Technology, Inc. establishes and implements this Quality Assurance Program.
- 4.2 Training for all Quality Assurance functions, prior to engagement in these functions, is required in accordance with written procedures.
- 4.3 Quality Assurance Program revisions will be made according to written procedures, RSPM-2, with management approval.
- 4.4 The Quality Assurance Program will ensure that all defined Quality Control Procedures, Engineering Procedures and specific provisions of the package design approval are satisfied.
- 4.5 The Quality Assurance Program will emphasize control of the characteristics of the package which are critical to safety.
- 4.6 The Radiation Safety Director 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 July 1st, 1978. This requirement can be satisfied by receiving a certification to this effect from the manufacturer.

5.0 Document Control

- 5.1 All documents related to a specific shipping package will be controlled through the use of written procedures (RSPM-2). All document changes will be performed according to written procedures approved by management.
- 5.2 The Radiation Safety Director shall ensure that all Quality Assurance functions are conducted in accordance with the latest applicable changes to these documents.

6.0 Handling Storage and Shipping

- 6.1 Written safety procedures (RSPM-1) concerning the handling storage and shipping of packages for certain special form radioactive material will be followed.
- 6.2 Shipments will not be made unless all tests, certifications, acceptances, and final inspections have been completed.
- 6.3 All handling, storage, and shipping shall be conducted in accordance with written work instructions (RSPM-1).
- 6.4 Only those employees trained and qualified as radiographers shall perform the critical handling, storage and shipping operations.

7.0 Inspections, Tests, and Operating Status

- 7.1 Inspections, tests 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.
- 7.2 Status of non-conforming parts or packages will be positively maintained by written procedures.
- 7.3 Only those persons, qualified as radiographers, who are trained and certified in the applicable test methods shall perform required inspections and tests, in accordance with written procedures.
- 7.4 It shall be the responsibility of the Radiation Safety Director to ensure these functions are properly performed.

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. (RSPM-1)
- 8.2 These records will be maintained in accordance with written procedures and shall be identifiable and retrievable.
- 8.3 A list of these records, with their storage locations, will be maintained by the Radiation Safety Director.

9.0 Audits

- 9.1 Established schedules of audits of the Quality Assurance Program will be performed using written check list. The results of audits will be maintained and reported to management.
- 9.2 Audit reports will be evaluated and deficient areas corrected.
- 9.3 Audit frequency shall depend on the safety significance of the activity being audited, but each activity will be audited at least once per year. Auditing of proper handling, storage, and shipping shall be included in Radiographers Quarterly Safety Auditing. (RSPM-1, Section RSP-15)
- 9.4 Audit reports will be maintained as part of the Quality Assurance records.
- 9.5 Members of the audit team shall not have the immediate responsibility for the activity being audited.