

*RDR 71-260*  
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ASTROTECH INC.  
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QUALITY ASSURANCE PROGRAM

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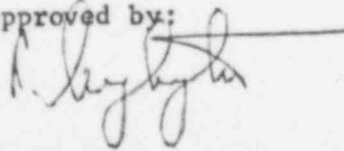
OF

RADIOACTIVE MATERIAL

*7910020380*

**14073**

Approved by:



Prepared by:  
L. Mykyta, R.S.O.  
September 10, 1979

1078 141

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REVISION SHEET

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Signature

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## INTRODUCTION

This procedure is to be followed whenever approved radiographic cameras or source changers are to be transported outside the confines of ASTROTECH INC. facilities. These procedures are for transportation of only radiographic cameras and source changers containing encapsulated sealed gamma emitters which the manufacturers have assured compliance and approval under Title 10, Chapter 1, Part 71. Transportation of radioactive materials under these procedures shall be only by trained and qualified personnel and of compliance with these procedures each time transportation of radioactive materials outside our facilities occurs. It is the purpose of these procedures to assure safety in transporting of radioactive materials and to retain a record of compliance with them.

Design and fabrication shall not be conducted under this Quality Assurance Program.

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I. ORGANIZATIONAL STRUCTURE

PRESIDENT

VICE PRESIDENT

RADIATION SAFETY OFFICER

ASSISTANT RADIATION SAFETY OFFICER

RADIOGRAPHERS

ASSISTANT  
RADIOGRAPHERS

TRAINEES

OTHER APPROVED TRANSPORTERS

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DUTIES AND RESPONSIBILITIES

The final responsibility for the Quality Assurance Program for Part 71 requirements rests with ASTROTECH INC., Division of CERTIFIED TESTING LABORATORIES, INC.

Design and Fabrication shall not be conducted under this Quality Assurance Program.

PRESIDENT: Overall Control of Corporate Operations.

VICE PRESIDENT: Responsible for General Operations. Reports to President.

RADIATION SAFETY OFFICER: Responsible for Overall Administration of the Program, Training and Certification, Document Control and Auditing.

RADIOGRAPHERS: Responsible for Handling, Storing, Shipping (Transportation), Inspection, Test and Operating Status and Record Keeping. Reports to Radiation Safety Officer concerning Radiation Safety and Quality Assurance Program.

ASSISTANT RADIOGRAPHER: Perform Radiography under Direction of Radiographer. Reports to Radiographer. Reports to Radiation Safety Officer concerning Radiation Safety.

OTHER APPROVED TRANSPORTERS: Responsible to his own Supervisor for Quality Assurance Program and to Astrotech's Radiation Safety Officer.

ASTROTECH INC. as licensee retains Responsibility for the Quality Assurance Program.

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QUALITY ASSURANCE PROGRAM

The Management of ASTROTECH INC. establishes and implements the Quality Assurance Program.

Training and experience for all Quality Assurance functions is required according to established procedures.

Quality Assurance Program revisions will be made according to established procedures with Management approval.

The Quality Assurance Program will ensure that all defined Quality Control Procedures, Engineering Procedures and Specific Provisions of the package design approval are satisfied.

The Quality Assurance Program will emphasize 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 the Quality Assurance Program approved by Nuclear Regulatory Commission for all packages designed or fabricated after the effective date of the Quality Assurance Program.

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DOCUMENT CONTROL

All documents related to a specific shipping package will be controlled through the use of established procedures.

All document changes will be performed according to established procedures approved by the Management.

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

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HANDLING, STORAGE AND SHIPPING

Established 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.

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

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INSPECTION, TEST AND OPERATING STATUS

Inspection, test and operating status of packages for certain special form of radioactive material will be indicated and controlled by established procedures.

Status will be indicated by tag, label, marking or log entry.

Status of nonconforming parts or packages will be positively maintained by established procedures.

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

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QUALITY ASSURANCE RECORDS

Records of inspections, tests, operating logs, audit results, personnel training and qualifications and records of shipments will be maintained.

These records will be maintained in accordance with established procedures. A list of such records will be maintained by the Radiation Safety Officer.

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AUDITS

Established schedules of audits of the Quality Assurance Program will be performed using a written check list.

Results of audits will be maintained and reported to Management. Audit reports will be evaluated and corrected.

The audits will be dependent on the safety significance of the activity being audited, but each activity will be audited at least once a year.

Audit reports will be maintained as part of the Quality Assurance records.

The auditor shall have no responsibility in the activity being audited.

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