

MIDWEST INSPECTION SERVICES, INC.


NONDESTRUCTIVE EXAMINATION DEPARTMENT

QUALITY ASSURANCE PROGRAM
FOR
INDUSTRIAL RADIOGRAPHY

Prepared by Charles L. Blake
Charles L. Blake
Director of Nondestructive Testing

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1. Purpose:

The purpose of this program is to provide parameters and methods to be used in order to comply with the requirements of "10 CFR Part 71".

2. Scope:

The procedures contained herein shall be used by all Midwest Inspection Services, Inc. personnel involved in the use and transportation of radioactive material shipping packages.

3. Organization:

President	Jerry Kile
Secretary-Treasurer	Melinda Kile
Director of Field Services	Lindy "Skip" Glenn
Director of Technical Services	Donald W. Smithee
Director of Non-Destructive Testing	Charles L. Blake
Radiation Safety Officer	Charles L. Blake

- A. The final responsibility for the Quality Assurance Program for Part 71 requirements rests with Midwest Inspection Services, Inc.
- B. The Radiation Safety Officer (RSO) is the responsible individual for assuring compliance with Part 71 Q.A. requirements. In addition, the RSO is responsible for overall administration of the program, training and certification, document control, and auditing.
- C. The radiographers are responsible for the safe handling, storing, shipping, inspection, test and operating status and the applicable recordkeeping.

4. Quality Assurance Program:

- A. The management of Midwest Inspection Services, Inc. is responsible for establishing and implementing this Q.A. program. Training, prior to engagement, for all Q.A. functions is required in accordance with Midwest Inspection Services, Inc. Personnel Certification Procedure SP-PC-4. Q.A. revisions will be made according to written procedures with management approval. The Q.A. program will ensure that all defined Q.C. procedures, engineering procedures and specific provisions of the package design approval are satisfied. The Q. A. program will emphasize control of the characteristics of the package which are critical to safety.
- B. The Radiation Safety Officer shall ensure that all radioactive material shipping packages are designed and manufactured under a Q. A. program approved by the Nuclear Regulatory Commission for all packages designed or fabricated after January 1, 1979. This requirement will be satisfied by receiving a certification to this effect from the manufacturer.

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5. Document Control:

- A. All documents related to a specific package will be controlled through the use of written procedures. All document changes will be performed according to written procedures approved by management.
- B. The Radiation Safety Officer shall ensure that all Q. A. functions are conducted in accordance with the latest applicable changes to these documents.

6. Handling, Storage, and Shipping:

- A. The 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 are provided in Midwest Inspection Services, Inc. Operating and Emergency Procedures.
- B. Radiographic personnel shall perform the critical handling, storage and shipping operations.

7. Inspection, Test and Operating Status:

- A. The inspection, test and operating status of packages for certain special form radioactive material will be indicated and controlled by written procedures. The status will be indicated by the tag, label, marking, or log entry. The status of nonconforming parts or packages will be positively maintained by written procedures.
- B. Radiographic 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.

8. Quality Assurance Records:

- A. Records of package approvals, procurement, 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.
- B. These records will be maintained in accordance with written procedures. The records will be identified and retrievable. A list of these records, with their storage locations, will be maintained by the Radiation Safety Officer.

9. Audits:

Established schedules of audits of this Q. A. program will be performed using Checklist Attachment 1. 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



9. Audits (Continued)

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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Quarterly - Q. A. Program Field Audits

Job and Location: _____

Radiographer _____ Assistant _____

License _____ Procedures _____

Regulations _____ "Notice" _____

Film Badges: T- _____ A- _____ Dosimeters: T- _____ A- _____

1 Camera: Make _____ Model _____ Serial # _____

2 Camera: Make _____ Model _____ Serial # _____

1 Source: Type _____ Model _____ Serial # _____

2 Source: Type _____ Model _____ Serial # _____

1 Survey Meter: Make _____ Model _____ Serial # _____ Cal. _____

2 Survey Meter: Make _____ Model _____ Serial # _____ Cal. _____

Barricades _____ Signs _____ Flashing Lights _____ Outer Security _____

Source Used _____ Survey Meter Used _____ Camera Surveys Performed _____

Vehicle Placarding _____ Source Devise Labeled _____

Source Storage Container in Vehicle:

Properly Labeled: Yellow II _____ Yellow III _____ Lockable _____

Shipping Documents in Vehicle Match Lable on Container _____

Devise Safety Plugs and Lock are operable _____

Utilization Log Correct _____ Daily Job Sheet Correct _____

Violations and Action Taken

By _____

Date _____