

QUALITY ASSURANCE REQUIREMENTS  
FOR TRANSPORT PACKAGES

MIDWEST INSPECTION SERVICE, LTD.  
957 Mancel Lane  
Green Bay, Wisconsin 54304

Nuclear Regulatory Commission  
License No. 48-16296-01

Revision:	Certified By:	Date:
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1.0 DESCRIPTION OF QUALITY ASSURANCE PROGRAM:

Midwest Inspection Service, Ltd., for the use maintenance and repair of shipping packages for certain special form radioactive material, and requirements of 10 CFR Part 71 Appendix E, have determined that the following pertinent criteria is applicable.

- 2.0 Organization
- 3.0 Quality Assurance Program
- 4.0 Document Control
- 5.0 Handling, Storage and Shipping
- 6.0 Inspection, Test and Operating Status
- 7.0 Quality Assurance Records
- 8.0 Audits

The implementation and resolution of the Quality Assurance Program is the direct responsibility of management of Midwest Inspection Service, Ltd.

2.0 Organization

President

Quality Assurance Manager

Level II  
Radiographer

Level II  
Radiographer

Level II  
Radiographer

Level I or  
Assistant  
Radiographer

Level I or  
Assistant  
Radiographer

Level I or  
Assistant  
Radiographer

President of Midwest Inspection Service, Ltd. shall assume the duties of Quality Assurance Manager.

3.0 QUALITY ASSURANCE PROGRAM

- 3.1 The management of Midwest Inspection Service, Ltd. shall established and implement the following criteria for the use, maintenance and repair of shipping packages for certain special form radioactive material.
- 3.2 All personnel that could possibly come in contact with shipping of a container, shall be instructed in the criteria of proper forms,

sealing of container, labeling of container and any other pertinent information.

- 3.3 Revision to the Quality Assurance Program shall be the direct responsibility of the President.
- 3.4 Midwest Inspection Services, Ltd. does not manufacture or do any engineering of shipping containers. Shipping containers from Gamma Industries and Tech-Ops shall be inspected visually for damage according to their written specification of file at Green Bay office of Midwest Inspection Services, Ltd.
- 3.5 All documentation of the package and inspection of the package shall be made prior to shipping. Particular attention shall be given to any specific provision of package to insure that that utmost effectiveness of Radiological Safety has been provided.

#### 4.0 DOCUMENT CONTROL

Document Control of shipping packages are the direct responsibility of the Quality Assurance Manager-President of Midwest Inspection Services, Ltd.

- 4.1 Shipper Certificate  
Shall be fully completed in triplicate. Distribution of copys: Duplicate to shipper. Single copy to be encapsulated with Isotope records.
- 4.2 Leak Test  
A copy of the leak test shall be furnished to the shipper. Second copy to be enclosed in package or in attached packet labeled packing list enclosed.
- 4.3 Decay Curve Chart  
One copy of decay curve furnished with shipping documents. Second copy to be enclosed in package or in attached packet, labeled packing list enclosed.

#### 5.0 HANDLING, STORAGE AND SHIPPING

Midwest Inspection Services, Ltd. has specific instruction for Handling, Storage and Shipping in The Operating and Emergency Procedures. All procedures shall be accomplish

with radiological safety as first requirement.

5.1 Handling

All personnel at Midwest Inspection Services that handle radioactive material shall have been so instructed and indoctrinated with the Operating and Emergency Manual.

5.2 Storage

Radioactive material shall be stored according to Midwest Inspection Services, Ltd. Operating and Emergency Manual 10.0; 10.2 page 20.

5.3 Shipping

Shipping instruction are provided in Midwest Inspection Services, Ltd. Operating and Emergency Manual 10.3 page 32. Additional instruction are listed in 4.0 of this manual.

6.0 INSPECTION, TEST AND OPERATING STATUS

Midwest Inspection Services, Ltd. shall examine shipping containers for physical damage that could cause any radiological safety incident. No shipment shall be made in a damaged container. Midwest Inspection Services, Ltd. shall have on file at home office, the approved certification as soon as it is available from Gamma Industries and Technical Operations, Inc. This certification shall include the Quality Assurance Procedures per 10 CFR Part 71.

7.0 QUALITY ASSURANCE RECORDS

Midwest Inspection Services, Ltd. shall maintain all permanent records, logs-inspection, and audit results at the home office, Green Bay, Wisconsin.

- 7.1 Form MIS-QA-1 (page IV) shall be maintained and permanent records shall be on file at home office, Green Bay, Wisconsin.

8.0 AUDITS

A Quarterly Audit of the Quality Assurance Program at Midwest Inspection Services, Ltd. shall be performed. Results shall be evaluated, deficiencies shall be corrected and all reports shall be maintained as part of the Quality Assurance Program Audits this shall be the responsibility of the President. Additional, once each year, another officer of Midwest Inspection Services, Ltd., who is not directly involved in the QA Program, shall perform an overall audit.

Receiving

Shipping

Source No. (Serial)	Received	Leak Test	Return Date	Shipping Criteria	Date Rec- ords pre- pared for storage	By Inl.
1.				1.		
2.				2.		
3.				3.		
1.				1.		
2.				2.		
3.				3.		
1.				1.		
2.				2.		
3.				3.		
1.				1.		
2.				2.		
3.				3.		
1.				1.		
2.				2.		
3.				3.		
1.				1.		
2.				2.		
3.				3.		
1.				1.		
2.				2.		
3.				3.		
1.				1.		
2.				2.		
3.				3.		
1.				1.		
2.				2.		
3.				3.		
1-Date				1-Certification		
2-Carrier				2-Decay curve		
3-Location				3-Leak Test		
		655	227			