

ARNOLD GREENE TESTING LABORATORIES, INC.

Attachment K - SHIPPING CONTAINER QUALITY ASSURANCE
REQUIREMENTSK.1 Scope

- A. This QA program is limited to fulfilling the requirements of 10CFR71 for shipping containers used by The Company to transport sealed radioactive sources. Design and fabrication of shipping containers shall not be conducted under this Quality Assurance Program.

K.2 Organization

- A. The final responsibility for this Quality Assurance Program rests with The Company whose organizational structure is included in our Radiation Safety Manual.
- B. The Radiation Safety Officer is responsible for overall administration of the program, training and certification, document control and auditing. The Master Radiographer is responsible for handling, storing, shipping, inspection, test, operating status and record keeping and is directly accountable to the Radiation Safety Officer on all radiation safety matters. Responsibilities are further defined in the Radiation Safety Manual.

K.3 Quality Assurance Program

- A. This QA program, although limited in scope, is conducted in accordance with The Company's normal QA policies. For this program this requires that all procedures necessary for the safe use and control of shipping containers be written and defined by the Radiation Safety Manual and that only properly trained, competent personnel shall conduct the defined operations, inspections or tests. Also the RSO shall assure that all shipping containers are designed and manufactured in accordance with 10CFR71 by certification from the manufacturer.

K.4 Document Control

- A. All documents pertaining to radiation safety program are controlled by the RSO and are included in our Radiation Safety Manual. This manual is distributed to all company employees involved in working with radioactive materials. Distribution of the manual and revisions are controlled in a positive manner by return of a transmittal form.

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K.5 Handling, Storage and Shipping

- A. All operations involving the handling, storage and shipping of packages for certain special form radioactive material will be done in accordance with our Radiation Safety Manual. No shipments will be made unless all test, certifications, acceptances, and final inspections have been completed.

K.6 Inspection, Test and Operating Status

- A. The RSO shall assure radiographic personnel conduct inspections and tests as follows:

- a. Receipt Inspection: The following inspections shall be receipt:

1. Survey
2. Visual inspection for correct marking and damage.
3. Manufacturers documentation

The survey results will be recorded on the shipping papers.

- b. In-process Inspection and Tests: The following inspections and tests shall be conducted as required.

1. Leak Tests
2. Visual inspection and survey when damage is suspected.
3. Daily and Quarterly inspections and maintenance.

- c. Final Inspection: The following inspections shall be conducted immediately prior to shipping equipment off site.

1. Survey
2. Proper labeling
3. Proper preparation for shipping, bolts tightened, seals in place, source identification tag attached, etc.)

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4. Shipping papers are complete and in order
(shippers certificate, bill of lading, etc.)

K.7 Nonconformances

- A. On discovery of a nonconformance the container will immediately be surveyed. If the radiation level exceeds 200 mr/hr at the surface or 10 mr/hr at 3 feet, the restricted area shall be established and the RSO notified. He shall direct resolution of the nonconformance. Surveillance of the restricted area shall be maintained until the nonconformance is resolved. If the survey meets the above levels, the equipment shall be moved to a locked secure area. The RSO shall be notified of the nonconformance and he shall provide resolution.

K.8 Quality Assurance Records

- A. All shipping container records will be maintained along with the other required radiation safety documents. All records are reviewed quarterly as part of the internal audit program.

K.9 Audits

- A. Audit of this Quality Assurance Program will be conducted on a quarterly schedule along with the radiation safety program audits defined in the Radiation Safety Manual.

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WMUR _____ SAFEGUARDS _____
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DESCRIPTION:

attached is their
Quality Assurance
Program for
approval

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