

QAL #23BB
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 ENCLOSURE (1)

BATH IRON WORKS CORPORATION
 BATH, MAINE
 QUALITY ASSURANCE DEPARTMENT

QUALITY ASSURANCE INSTRUCTION

TITLE: QUALITY ASSURANCE PROGRAM
 FOR TRANSPORTATION PACKAGING
 (10 CFR 71)

SERIAL NO.
 QAI - 200

REVISIONS

REV	SHT NO.	ITEM	DESCRIPTION	BY	DATE	APPV	CON-CUR	DISTR.
								BWD (3) RLC File

QUALITY ASSURANCE DEPARTMENT

CONCURRENCE:

BY: R.L.C. DATE 6/27/78

BY	DATE
<i>[Signature]</i>	<u>6/28/78</u>

CHKD: JDC DATE 6/27/78

APPVD: [Signature]
 MANAGER

SHT NO. 1 OF 4

APPLICABLE ACTIVE HULLS

General Use
 (QA Only)

Q.A. INST'N. CONTROL NO.

QAI-
 REV-

6-28-78

DATE OF LATEST ISSUE

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BATH IRON WORKS
(LICENSE NO. 18-00828-04)
QUALITY ASSURANCE PROGRAM
FOR TRANSPORTATION PACKAGING
(10 CFR 71)
(736-23)

1. RESPONSIBILITY

- 1.1 The final responsibility for the Quality Assurance Program for Part 71 requirements rests with Bath Iron Works Corporation.
- 1.2 Design and fabrication of radioactive material shipping packages shall not be performed under this Quality Assurance Program.
- 1.3 The Quality Assurance Program is implemented using the following organization: (See attachment A, "Organizational Chart".)
 - 1.3.1 The Radiation Safety (Protection) Officer is responsible for overall administration of the program, training and certification, document control and auditing.
 - 1.3.2 Radiographers are responsible for handling, storing, shipping, inspection, test, operating status and record keeping.

2. PROGRAM IMPLEMENTATION

- 2.1 The Management of Bath Iron Works Corporation establishes and implements this Quality Assurance Program.
- 2.2 Training for all Q.A. functions, prior to engagement in these functions, is required according to written procedures.
- 2.3 Program revisions will be made according to written procedures with Management approval.

- 2.4 The Program will ensure that all defined Q.A. procedures, engineering procedures, and specific provisions of the package design approval are satisfied.
- 2.5 The Program places emphasis on the control of package characteristics which are critical to safety.
- 2.6 The Radiation Safety Officer shall verify that all radioactive material shipping packages furnished to Bath Iron Works are designed and manufactured under a Quality Assurance Program approved by the Nuclear Regulatory Commission for all packages designed or fabricated after 1 July 1978.

NOTE: This requirement shall be satisfied by requiring the manufacturer to provide certification to this effect.

3. DOCUMENT CONTROL

- 3.1 All documents related to a specific shipping package shall be controlled by written procedures. All document changes shall be performed according to written procedures approved by management.
- 3.2 The Radiation Safety Officer shall insure that all Q.A. functions are conducted in accordance with the latest applicable changes to these documents.

4. HANDLING, STORAGE AND SHIPPING

- 4.1 Written safety procedures concerning the handling, storage and shipping of packages for radiographic source material will be followed.
- 4.2 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.
- 4.3 Radiography personnel shall perform the critical handling, storage, and shipping operations.

5. INSPECTION, TEST AND OPERATING STATUS

- 5.1 Inspection, test and operating status of packages for certain special form radioactive material will be indicated and controlled by written procedures. Status shall be indicated by tag, label, marking or log entry.
- 5.2 Status of nonconforming parts or packages will be positively maintained by written procedures.
- 5.3 Radiography personnel shall perform the required inspections and tests in accordance with written procedures. The Radiation Safety Officer shall ensure that these functions are performed.

6. RECORDS

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

7. AUDITS

- 7.1 Established schedules of audits of the Q.A. Program will be performed using written procedures.
- 7.2 Audit results will be maintained and reported to Management.
- 7.3 Audit reports will be evaluated and deficient areas corrected.
- 7.4 Audits are dependent on the safety significance of the activities audited, however, each activity will be audited a minimum of once per year.
- 7.5 Reports will be maintained as part of the Quality Assurance records.
- 7.6 Audit team members shall have no responsibility in the activities audited.

QUALITY ASSURANCE PROGRAM
ORGANIZATION

VP
CHIEF OPER.
OFFICER

QA
MANAGER

NDT SUPV.
DUTIES

- Program Implementation
- Rad. Safety Off.
- Conduct of Trng.
- Maintenance of Equip.
- Procedures
- Inspections
- Training
- Safety
- Records