



DEPARTMENT OF THE NAVY
U. S. S. DIXIE (AD-14)
FPO SAN FRANCISCO 96601

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Ser 313

APR 10 AM 8 50 1 APR 1980

From: Commanding Officer, USS DIXIE (AD-14)
To: U.S. Nuclear Regulatory Commission, Washington, D.C. 20555
Subj: Quality Assurance Program for Receipt, Handling, Storage and
Transfer of Special Form Radioactive Material
Ref: (a) U.S.N.R.C. ltr FCTC RHO 71-0049 of 21 Sep 79
(b) U.S.N.R.C. ltr FCTC RHO 71-0049 of 4 Mar 80
Encl: (1) CO, USS DIXIE ltr AD14/06:jhs 4855 Ser 901 of 12 Nov 79

1. A response to reference (a) was forwarded as enclosure (1) to my letter AD14/06:jhs 4855 Ser 901 dtd 12 November 1979.
2. A copy of this letter is again provided in response to reference (b). Evidently the original letter has been misrouted.

C. E. WARD

16015

ND14/C6:jhs

4355

Ser 901

12 NOV 1979

From: Commanding Officer, USS DIXIE (DD-14)
To: U.S. Nuclear Regulatory Commission, Washington D.C.

Subj: Quality Assurance Program for Receipt, Handling, Storage and Transfer of Special Form Radioactive Material, revised submission

Ref: (a) USS DIXIE (DD-14) Ltr Ser 639 dtd 13 Sep 79
(b) U.S.N.R.C. Ltr NRC:ESD 71-0049 dtd 27 Sep 79

Encl: (1) USS DIXIE (DD-14) Quality Assurance Program for Receipt, Handling and Transfer of Special Form Radioactive Material

1. Seven copies of enclosure (1), originally submitted by reference (a) and revised in accordance with information provided by reference (b), are hereby submitted for approval.

C. E. WARD

Copy to:
ONC Naval Nuclear Power Unit
Port Elizabet, CA

POOR ORIGINAL

Dup of 800 415 0278

USS DIXIE (AD-14) Quality Assurance Program for Reception, Handling and Transfer of Special Form Radioactive Material.

QUALITY ASSURANCE PROGRAM

RESPONSIBILITY

1. The Radiographic Safety Officer will be responsible for establishing and implementing the Quality Assurance Program.
2. The Radiographic Safety Officer will be responsible for insuring that all personnel involved in the program have received the required training and that they receive periodic training on any new material incorporated into the program.
3. The Radiographic Safety Officer will be responsible for insuring that any changes or revisions found to be necessary in the Quality Assurance Program are incorporated into the program.
4. The Radiographic Safety Officer shall insure that all defined QC procedures, engineering procedures and specific provisions of the package design approval are satisfied.
5. The Senior Radiographer will be responsible for the actual performance of the QC operations under the guidance of the Radiographic Safety Officer.

Dup of 8004150284

USS DIXIE (AD-14) Quality Assurance Program for Reception, Handling and Transfer of Special Form Radioactive Material.

ORGANIZATION

- A. Commanding Officer: The Commanding Officer, USS DIXIE (AD-14), is the licensee for this activity. The Commanding Officer has overall responsibility for matters concerning the licensed radioisotopes.
- B. Radiographic Safety Officer: The Radiographic Safety Officer shall be designated in writing by the Commanding Officer of the USS DIXIE (AD-14). The Radiographic Safety Officer shall be a graduate of the Radiographic Safety Officer course A-7K-0017 conducted by the Non-Destructive Testing School, NAVSTA, San Diego, CA or course A-4C-0016 conducted by the Naval Nuclear Power Unit, Port Hueneme, CA. The Radiographic Safety Officer shall be responsible for directly supervising the Senior Radiographer in the performance of his duties under this quality assurance procedure.
- C. Senior Radiographer: The Senior Radiographer shall be a qualified radiographer designated by the Radiographic Safety Officer as such. The Senior Radiographer will be a graduate of the Radiograph Operator Course A-701-0032. The Senior Radiographer shall be responsible for controlling and directly supervising Radiographic operations conducted by USS DIXIE (AD-14). The Senior Radiographer is directly responsible to the Radiographic Safety Officer for coordination of all receipts, handling, tests and inspections, and transfers of radioactive material and all records of tests/inspections conducted IAW this procedure and NRC License #02-00038-43.

POOR ORIGINAL

USS DIXIE (AD-14) Quality Assurance Program for Personnel Handling and Transfer of Special Form Radioactive Material.

DOCUMENT CONTROL

A. RESPONSIBLE INDIVIDUAL

1. The Senior Radiographer will be responsible for all requirements of this part.

B. SCOPE OF RESPONSIBILITY

1. The Senior Radiographer shall maintain all documents related to shipping packages. Handling, storage and shipping of packages will be controlled by use of written procedures.
2. The Senior Radiographer shall be responsible for making all documentation changes as approved by the Radiation Safety Officer.
3. All radioactive material shipping containers used by USS DIXIE shall be designed and manufactured under a Nuclear Regulatory Commission approved QA program. The Senior Radiographer shall be responsible for verification of package acceptability.

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USS DIXIE (AD-14) Liability Assurance Program for Receipt, Handling and Transfer of Special Form Radioactive Material.

RECEIVING, HANDLING, STORAGE, AND SHIPMENT

A. PROCEDURES TO BE FOLLOWED UPON RECEIPT OF RADIOACTIVE SHIPMENT

1. 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. Written work instructions will be provided for handling, storage, and shipping operations.
2. While a shipping container is at this command it shall be handled by the Senior Radiographer or a Radiographer attached to USS DIXIE (AD-14) under the supervision of the Radiographic Safety Officer.

POOR ORIGINAL

US DIXIE (AD-14) Q. by Assurance Program for Receipt Handling and Transfer of Special Form Radioactive Material.

INSPECTION, TEST, AND OPERATING STATUS

A. PROCEDURES.

1. Inspection, test and operating status of packages for certain special form radioactive material will be indicated and controlled by written procedures. Status will be indicated by log entry. Status of non-conforming parts or packages will be positively maintained by written procedures.
2. Radiography 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.

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USS DIXIE (AD-14) Quality Assurance Program for Receipt, Handling and Transfer of Special Form Radioactive Material.

QUALITY ASSURANCE RECORDS

- A. The Senior Radiographer shall maintain in his files:
 - 1. A signed copy of all leak and swipe test reports submitted to the nearest Radiac Repair Facility.
 - 2. The shipping documents received from the shipper that arrived with the shipping container.
 - 3. A copy of the Government Bill of Lading, signed by the carrier's representative, and any other pertinent documents relative to the shipment of the shipping container.
- B. The Radiographic Safety Officer shall maintain in his files:
 - 1. A detailed description of procedures used in the receipt and transfer of a radioactive materials shipping container.
 - 2. A summary of the qualification of the Senior Radiographer.
 - 3. A list of all equipment utilized in the shipment of a radioactive materials shipping container.
 - 4. Copies of all audit reports and any correspondence dealing with the audit of this quality assurance program.
- C. Places where the above records are to be maintained:
 - 1. The records of the Senior Radiographer and the Radiographic Safety Officer shall be maintained on board the USS DIXIE (AD-14) in the NDT Lab, compartment B-0207-EL.
 - 2. All quality assurance records will be identified and retrievable.

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AUDITS

A. Periodicity of Audits.

1. The audits of the Quality Assurance program set forth in this procedure shall be conducted not less than once a year.

B. Personnel to conduct the audit.

1. The audits specified by this procedure shall be performed by an auditor having no responsibility in the activity he audits.

C. Areas to be covered in the audit shall include the responsibilities and records of:

1. Radiographic Safety Officer.
2. Senior Radiographer.
3. Training Activities.
4. Record Keeping (general).
5. Compliance to operating and emergency instructions pertaining to compliance with Nuclear Regulatory Commission rules involving receipt, handling, stowage, and transfer of radioactive materials.
6. Compliance to current Quality Assurance program for receipt, handling, stowage, and transfer of radioactive materials.
7. Previous audit reports on file, with replies concerning necessary corrective action.
8. Records of required periodic radiac test instrument calibration.
9. Radiographic equipment/shipping containers, certificates of compliance for containers used and letter of authorization from the Nuclear Regulatory Commission to use the container.
10. Proper receipt and transfer documents.
11. Adequate equipment for conducting swipe/leak tests.
12. Swipe and leak test results signed by a representative of the nearest Radiac Repair Facility.

AUDITS (continued)

D. Personnel to receive copy of audit.

1. The auditor shall send the report of his audit to the Commanding Officer, the Radiographic Safety Officer, and the Senior Radiographer.

E. Reply to audit deficiencies.

1. The senior Radiographer shall reply in writing to the auditor via the Radiographic Safety Officer and the Commanding Officer concerning any audit deficiency.

F. Maintenance of audit reports.

1. The Radiographic Safety Officer shall maintain a copy of all audit report.