



NORSHIPCO

NORFOLK SHIPBUILDING & DRYDOCK CORPORATION

P.O. BOX 2100 • FOOT OF LIBERTY STREET
NORFOLK, VIRGINIA 23501
Telex: 823-613 Cable: NORSHIPCO
Telephone: 804/545-3551

USNRC REGION II
ATLANTA, GEORGIA

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CHARLES H. EURE, JR.
Executive Vice President - Secretary

February 10, 1982

Mr. J. A. Olshinski, Director
Engineering and Technical
Inspection Division
Nuclear Regulatory Commission
Region II
101 Marietta Street, N.W.
Suite 3100
Atlanta, Georgia 30303

Subject: Report No. 45-12042-01/81-01

Dear Mr. Olshinski:

The following is in accordance with your letter of
January 12, 1982, concerning the above referenced subject.

A. Quarterly Internal Audit

On December 1, 1981, a safety inspection was conducted by Mr. P. Chambless of your office. Mr. Chambless asked for the internal audit records. At that time the only record that was produced was the one for 9/10/80. However, there were other records of the internal audit at that time, dated from 9/10/80 through 6/1/81, which due to an oversight were not produced to Mr. Chambless at the time of the inspection. Certified true copies of these audits are attached. These copies are certified to be true as to the dates the inspection took place, and each is properly sworn to and notarized. The quarterly audit for 9/1/81 was not accomplished due to oversight. On 12/3/81, a quarterly internal audit was held.

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45-12062-01

PDR



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Mr. J. A. Olshinski
February 10, 1982
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To avoid this from happening again, the dates for the audit have been programmed on the computer so that they will kick out fifteen days before the due date. These due dates are 3/1/82, 6/1/82, 9/1/82 and 12/1/82.

B. Radiation levels of 3.5 MR/HR

On previous inspections, the radiation levels were found to be safe. Therefore, we were not aware of the levels of 3.5 MR/HR at the exterior of the source storage building. However, when it was found by Mr. Chambless, it was immediately taken care of by moving the sources back from the wall of the storage building and with more lead around the sources. This reduced the radiation to below the specified levels.

On 12/1/81, on the second shift, more lead was installed around the walls in the inside of the storage building. In addition to the lead, on 12/3/81, one hundred eighty (180) trap blocks 8" x 8" x 16" high density shielding blocks were purchased, and on 12/3/81 these blocks were installed on the outside and inside of the storage building. At the present time, there are no levels of radiation at the exterior of the storage building.

If you have any questions or should need additional information, please advise.

Sincerely,

NORFOLK SHIPBUILDING & DRYDOCK CORPORATION

Charles H. Eure, Jr.
Executive Vice President

Enclosures



June 1, 1981

TO: Mr. Frank Duvall - Foreperson

FROM: C. A. Cherry - Quality Assurance Engineer *C.A.C.*

SUBJ: Quarterly Internal Inspection System for Controlling Receipt, Possession and Use of Radioactive Materials

An internal inspection for controlling receipt, possession and use of radioactive materials was conducted on June 1, 1981 in accordance with NRC rules and regulations.

Inspection results are enclosed which indicate two (2) deficiencies were detected. These deficiencies were corrected the same date of the inspection.

This report is Certified to be true and correct as to content and date.

Frank Duvall
Frank Duvall

Frank Duvall appeared before me this 10th day of February, 1982 and did swear and affirm that he did certify as to the corrections of the information contained therein.

Margie B. Stalls
Notary Public

My Commission expires

Oct. 6, 1985

RECEIPT, POSSESSION, AND USE OF RADIOACTIVE MATERIAL

PART	CONDITION			ACTION TAKEN			REMARKS
Shielded Storage Container and Storage Area	SAT	SAT	SAT				
Locking Mechanism	SAT	SAT	SAT				
Source Label	SAT	SAT	SAT				
Drive Cables	SAT	SAT	N/A				
Drive Cable Housing	SAT	SAT	N/A				
Cable Connectors	N/A	SAT	N/A				
Crank Mechanism	SAT	SAT	N/A				
Source Tubes	SAT	SAT	N/A				
On - Off Indicator	N/A	SAT	N/A				
Source Exposure Switch	SAT	SAT	SAT				
Collimator	SAT	SAT	N/A				
Receipt Inspection	SAT	SAT	SAT				
Utilization Logs	SAT	SAT	SAT				
Records	SAT	SAT	SAT				
Disposal of Material	SAT	SAT	SAT				
Radiation Dosimetry Report	SAT	SAT	SAT				
Survey Meters	SAT	SAT	SAT				

Internal Auditors:

C. A. Cherry

IRIDIUM 192
MODEL 683

COBALT 60
MODEL T/O 703

COBALT 60
T/O 571

IRIDIUM 192
MODEL 683

COBALT 60
MODEL T/O 703

COBALT 60
MODEL T/O 571

Date: 3/11/81

Table #4



March 11, 1981

TO: Mr. Frank Duvall - Foreperson

FROM: C. A. Cherry - Quality Assurance Engineer

C.A.C.

SUBJ: Quarterly Internal Inspection System for Controlling Receipt,
Possession and Use of Radioactive Materials

An internal inspection for controlling receipt, possession and use of radioactive materials was conducted on March 11, 1981 in accordance with NRC rules and regulations.

Enclosed please find the inspection results which indicate a satisfactory inspection.

This report is Certified to be true and correct as to content and date

Frank Duvall
Frank Duvall

Frank Duvall appeared before me this 10th day of February, 1982 and did swear and affirm that he did certify as to the correctness of the information contained therein.

Margie B. Stalls
Notary Public

My Commission expires

Oct. 6, 1985

NORFOLK SHIPBUILDING & DRYDOCK CORPORATION

DEFICIENCY FORM

No. 001

Date: 6/1/81

Subject: Quarterly Internal Inspection System for
Controlling Receipt, Possession and Use of Radioactive
Materials

Type of Inspection:

☐

In Process

☐

Final

☐

Reinspection

☐

Approved

☒

Rejected

Deficiency: (A) Utilization Log for 5/26/81 was missing
(B) Daily Maintenance records from 5/24/81 thru 5/26/81
were not up to date

Corrective Action Recommendations if
Required

The above deficiencies were corrected on 6/1/81. The
radiographers were instructed to keep records updated
as work progressed.

Inspected by: C. A. Cherry

Table #5

INTERNAL INSPECTION FORM FOR CONTROLLING THE
RECEIPT, POSSESSION, AND USE OF RADIOACTIVE MATERIAL

PART	CONDITION			ACTION TAKEN			REMARKS
Shielded Storage Container and Storage Area	SAT	SAT	SAT				
Locking Mechanism	SAT	SAT	SAT				
Source Label	SAT	SAT	SAT				
Drive Cables	SAT	SAT	N/A				
Drive Cable Housing	SAT	SAT	N/A				
Cable Connectors	SAT	SAT	N/A				
Crank Mechanism	SAT	SAT	N/A				
Source Tubes	SAT	SAT	N/A				
On - Off Indicator	N/A	SAT	N/A				
Source Exposure Switch	SAT	SAT	N/A				
Collimator	SAT	SAT	N/A				
Receipt Inspection	SAT	SAT	SAT				
Utilization Logs	SEE COMMENT	SAT	SAT				LOG FOR 5/26/81 MISS'NG
Records	SEE COMMENT	SAT	SAT				DAILY MAINTENANCE 5/24/81 thru 5/26/81 MISSING
Disposal of Material	SAT	SAT	SAT				
Radiation Dosimetry Report							SAT
Survey Meters							FOUR METERS SAT
Internal Auditors: <i>C. A. Cherry</i>	IRIDIUM MODEL 192 683	COBALT MODEL 60 T/O 703	COBALT T/O 571	IRIDIUM MODEL 192 683	COBALT MODEL 60 T/O 703	COBALT MODEL 60 T/O 571	Date: 6/1/81