DL-111097-01

November 10, 1997

Norfolk Shipbuilding
& Drydock Corp.
ATTN: Mr. John W. Humphreys
Vice President, Administration
and Assistant Secretary
P. O. Box 2100
Norfolk, VA 23501

SUBJECT: TRANSMITTAL AND EXPLANATION OF AMENDMENT TO LICENSE NO. 45-12042-01 (REFERENCE: CONTROL NO. 257640; DOCKET NO. 030-06609)

Dear Mr. Humphreys:

Enclosed is Amendment No. 17 to your NRC material license.

Please review the document carefully and be sure that you understand all conditions. If you have any questions or comments, please notify Ms. Diane Heim at (404) 562-4723.

Please note that as part of this amendment, in accordance with 10 CFR 30.36, effective February 15, 1996, the expiration date of your license has been extended by a period of five years. Your new expiration date is stated in Item 4 of the license. Unless your license has been terminated, you must conduct your program involving byproduct materials in accordance with the conditions of your NRC license, representations made in your license application, and NRC regulations. In particular, note that you must:

1. Operate in accordance with NRC regulations, 10 CFR 19, "Notice, Instructions and Reports to Workers; Inspections," 10 CFR Part 20, "Standards for Protection Against Radiation," and other applicable regulations.

2. Notify NRC, in writing, within 30 days:

   a. when an authorized user or Radiation Safety Officer permanently discontinues performance of duties under the license or has a name change; or

   b. when the licensee's mailing address changes (no fee is required if the location of byproduct material remains the same).

3. In accordance with 10 CFR 30.36(b) and/or license condition, notify NRC, promptly, in writing, and request termination of the license:

   a. when you decide to terminate all activities involving materials authorized under the license; or

b. when you decide to terminate licensed activities in a separate building or outdoor area identified on your license, or

c. if you decide not to complete the facility, acquire equipment, or possess and use authorized material

4. Request and obtain a license amendment before you

a. change Radiation Safety Officer,

b. order byproduct material in excess of the amount, or a different radionuclide or form, other than authorized on the license,

c. add or change the areas of use or address (or addresses) of use identified in the license application or on the license, or

d. change ownership of your organization

5. Submit a complete renewal application with proper fee or termination request at least 30 days before the expiration date of your license. You will receive a reminder notice approximately 90 days before the expiration date. Possession of byproduct material after your license expires is a violation of NRC regulations. Transfer of licensed materials must be consistent with 10 CFR 30.41, 40.51 or 70.42 as applicable. A license will not normally be renewed [illegible] on a case by case basis, in instances where licensed material has never been possessed or used.

In addition, applications for NRC licenses (form 313) must be signed by the licensee or certifying official (not a consultant). By signature, the signing official certifies his/her understanding that the application is true and correct to the best of the signator's knowledge.

You will be periodically inspected by NRC. Failure to conduct your program in accordance with NRC regulations, license conditions, and representations made in your license application and supplemental correspondence with NRC will result in enforcement action against you. This could include issuance of a Notice of Violation, or imposition of a Civil Penalty, or an order suspending, modifying or revoking your license as specified in the "General Statement of Policy and Procedures for NRC Enforcement Actions," NUREG 1600. [illegible] serious consequences to employees and the public can result from failure to comply with NRC requirements, prompt and vigorous enforcement action will be taken against those who do not achieve the necessary attention to detail and standard of compliance expected of licensees.

Thank you for your cooperation

Sincerely,

John M. Pelchat, License Reviewer
Materials Licensing/Inspection Branch 1
Division of Nuclear Materials Safety

Enclosures 1. Amendment No. 17
License No. 45-12042-01
2. NRC Form 313

OFFICE	RII:DNMS	RII:DNMS	RII:DNMS				
SIGNATURE							
NAME	JPelchat	TDecker	CHosey				
DATE	11/10/97	11/12/97	11/12/97	11/ /97	11/ /97	11/ /97	11/ /97
COPY?	YES (NO)	YES (NO)	YES (NO)	YES NO	YES NO	YES NO	YES NO

OFFICIAL RECORD COPY DOCUMENT NAME: G:\NMSS11\DNMS\COVLTR\257640.JMP

BETWEEN:

License Fee Management Branch, ARM
and
Regional Licensing Sections

(FOR LFMS USE)
INFORMATION FROM LTS

Program Code: 03320
Status Code: 0
Fee Category: 30 28
Exp. Date: 20050228
Fee Comments: _____
Decom Fin Assur Reqd: N

LICENSE FEE TRANSMITTAL

A. REGION II

1. APPLICATION ATTACHED
   Applicant/Licensee: NORFOLK SHIPBUILDING & DRYDOCK CO.
   Received Date: 970917
   Docket No: 3006609
   Control No.: 257640
   License No.: 45-12042-01
   Action Type: Amendment

2. FEE ATTACHED
   Amount: 700.00
   Check No.: 260923

3. COMMENTS

Signed DIANE HEIM
Date 9/22/97

B. LICENSE FEE MANAGEMENT BRANCH (Check when milestone 03 is entered ✓)

1. Fee Category and Amount: 30 28 700.00

2. Correct Fee Paid. Application may be processed for:
   Amendment ✓
   Renewal
   License

3. OTHER

Signed
Da

Fee Category 30
Date Completed

NRC FORM 374
7-94)

U.S. NUCLEAR REGULATORY COMMISSION

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MATERIALS LICENSE

Amendment No. 17

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 36, 39, 40, and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations, and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

Licensee	
1. Norfolk Shipbuilding & Drydock Corp.	In accordance with letter dated September 9, 1997 3. License Number 45-12042-01 is amended in its entirety to read as follows:
2. P.O. Box 2100 Norfolk, Virginia 23501	4. Expiration Date February 28, 2005 (extended)
	5. Docket or Reference No. 030-06609

6. Byproduct, Source, and/or Special Nuclear Material	7. Chemical and/or Physical Form	8. Maximum Amount that Licensee May Possess at Any One Time Under This License
A. Iridium 192	A. Sealed radiography source contained in a source assembly registered pursuant to 10 CFR 32.210 or an equivalent Agreement State Regulation	A. Not to exceed 3.7 terabecquerels (TBq) (100 curies) per source
B. Cobalt 60	B. Amersham sealed source in Model 571 Calibrator Kit	B. Not to exceed 555 megabecquerels (MBq) (15 millicuries) per source
C. Uranium (depleted in U235)	C. Metal shielding material	C. Not to exceed 999 kilograms

9. Authorized Use:

A. For use in a compatible gamma radiography exposure device registered pursuant to 10 CFR 32.210 or an equivalent Agreement State Regulation for performing industrial radiography and in a compatible source changer (shipping container) registered pursuant to 10 CFR 32.210 or an equivalent Agreement State Regulation for source storage and exchange.

B. For use in Technical Operations Model 571 calibrator kit for instrument calibration.

C. For use as shielding in radiography exposure devices and source changers (shipping containers).

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License Number 45-12042-01

Docket or Reference No. 030-06609

Amendment No. 17

MATERIALS LICENSE
SUPPLEMENTARY SHEET

CONDITIONS

10. Licensed material may be used at the licensee's facility located at Foot of Liberty Street, Norfolk, Virginia and at temporary job sites of the licensee anywhere in the United States where the U.S. Nuclear Regulatory Commission maintains jurisdiction for regulating the use of licensed material.

11. **Radiation Safety Officer: Lloyd T. Eure, Jr.**

12. **Licensed material shall be used by, or under the supervision and in the physical presence of Lloyd T. Eure, Jr. or other radiographers who have been trained as specified in 10 CFR 34.31 and in the application dated November 21, 1994. The licensee shall maintain records of individuals trained and designated as radiographers.**

13. A. Pursuant to 10 CFR 34.25, the licensee is authorized to perform tests for leakage or contamination of the sealed sources authorized by this license in accordance with procedures contained in the application dated November 21, 1994.

    B. Notwithstanding the periodic leak test required by 10 CFR 34.25(b), such requirement does not apply to radiography sources that are in storage and not being used. The sources exempted from this test shall be tested for leakage before use or transfer to another person. No sealed source shall be stored for a period of more than 10 years without being tested for leakage and/or contamination.

    C. Sealed sources authorized for a use other than radiography shall be tested as radiography sources in accordance with 10 CFR 34.25 and (B) above.

14. The licensee is authorized to receive, possess, and use sealed sources containing iridium 192 or cobalt 60 where the radioactivity exceeds the maximum amount of radioactivity specified in this license provided that:

    A. Such possession does not exceed the quantity per source specified in License Item 8 by more than 20% for iridium 192 or 10% for cobalt 60;

    B. Records of the licensee show that no more than the maximum amount of radioactivity per source specified in this license was ordered from the supplier or transferor of the byproduct material; and,

    C. The levels of radiation for radiographic exposure devices and storage containers do not exceed those specified in 10 CFR 34.21.

15. The licensee may transport licensed material in accordance with the provisions of 10 CFR 71, "Packaging and Transportation of Radioactive Material".

16. Sealed sources containing licensed material shall not be opened.

17. All newly manufactured radiographic exposure devices and associated equipment acquired after January 10, 1992 shall comply with the requirements of 10 CFR 34.20. The licensee shall maintain records to verify compliance with this Section of the NRC's Regulations.

18. In addition to the possession limits in Item 8, the licensee shall further restrict the possession of licensed material to quantities below the minimum limit specified in 10 CFR 30.35(d) for establishing decommissioning financial assurance.

License Number 45-12042-01

Docket or Reference No. 030-06609

Amendment No. 17

MATERIALS LICENSE
SUPPLEMENTARY SHEET

continued

CONDITIONS

19. The licensee shall maintain records of information important to safe and effective decommissioning at Norfolk Shipbuilding & Drydock Corp., Foot of Liberty Street, Norfolk, Virginia in accordance with the provisions of 10 CFR, Part 30.35(g) until this license is terminated by the Commission.

20. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. The Nuclear Regulatory Commission's regulations shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.

Application dated:

- November 21, 1994
- NRC letter dated March 1, 1996 (expiration date extension)
- September 9, 1997 (Change of RSO and other licensee personnel, change of sources and source exchangers)

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

JOHN M. PELCHAT

Date NOV 10 1997

By

Region II, Division of Nuclear Materials Safety
Atlanta Federal Center
61 Forsyth Street, S.W., Suite 23T85
Atlanta, Georgia 30303-0199

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