



UNITED STATES
 NUCLEAR REGULATORY COMMISSION
 REGION II
 101 MARIETTA STREET, N.W., SUITE 2900
 ATLANTA, GEORGIA 30323-0199

February 9, 1995

Norfolk Shipbuilding & Drydock Corporation
 ATTN: Mr. John W. Humphreys, Vice President
 Administration
 P.O. Box 2100
 Norfolk, Virginia 23501

SUBJECT: TRANSMITTAL AND EXPLANATION OF RENEWED MATERIALS LICENSE
 NO. 45-12042-01 (DOCKET NO. 030-06609, CONTROL NO. 256237)

Dear Mr. Humphreys:

Enclosed is your renewed byproduct materials license issued in accordance with your application dated November 21, 1994. Please review the license carefully and be sure that you understand all of the license conditions. If you have any questions or find any errors please notify me at (404) 331-3932 or Ms. Diane Heim at (404) 331-4673 so that we may answer any questions or issue a corrected copy as necessary.

Thank you for your cooperation in this matter.

Sincerely,

Michael L. Fuller
 Health Physicist
 Nuclear Materials Licensing Section
 Division of Radiation Safety
 and Safeguards

Enclosure
 NRC License No. 45-12042-01

SEND	OFC	R11:DRSS	R11:DRSS	R11:DRSS		
TO	NAME	M. Fuller <i>[Signature]</i>	J. Henson <i>[Signature]</i>	J. Potter <i>[Signature]</i>		
PDR7	DATE	02/ 09 /95	02/ 09 /95	02/ 09 /95	/ /94	/ /94
Yes	No	COPY? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No			

OFFICIAL RECORD COPY

DOCUMENT NAME: G:\DRSS\NMLS\NORF.CVR

MATERIALS LICENSE

Amendment No. 16

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, 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		In accordance with application dated November 21, 1994	
1. Norfolk Shipbuilding & Drydock Corp.		3. License number	45-12042-01
2. P.O. Box 2100 Norfolk, Virginia 23501		is renewed in its entirety to read as follows:	
		4. Expiration date	February 29, 2000
		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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**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License Number

45-12042-01

Docket or Reference Number

030-06609

Amendment No. 16

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: McConnell Baker
12. Licensed material shall be used by, or under the supervision and in the physical presence of McConnell Baker 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.

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License Number
45-12042-01

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Amendment No. 16

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

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

JAY L. HENSON

Date 11 21 1994

By Jay L. Henson
Region II, Nuclear Materials Licensing Section
101 Marietta Street, N.W., Suite 2900
Atlanta, Georgia 30323