

DEC 12 1986

License No. 37-15324-01  
Docket No. 030-08915  
Control No. 106510

Dodge Foundry and Machine Company  
ATTN: William M. Kwasnik, RSO  
6501 State Road  
Philadelphia, Pennsylvania 19135

Gentlemen:

Please find enclosed Amendment No. 06 terminating License Number 37-15324-01  
as requested by NRC Form 314 dated December 4, 1986.

Your cooperation with us is appreciated.

Sincerely,

Original Signed By:  
John E. Glenn

John E. Glenn, Ph.D., Chief  
Nuclear Materials Safety Section B  
Division of Radiation Safety  
and Safeguards

Enclosure: Amendment No. 06

DRSS:RI *[Signature]* DRSS:RI  
Foster/mb *[Signature]* Glenn

12/12/86 12/12/86

OFFICIAL RECORD COPY

ML 37-15324-01/LTR - 0001.0.0  
12/12/86

8702110396 861212  
REC1 LIC30  
37-15324-01 PDR

ML10

MATERIALS LICENSE  
SUPPLEMENTARY SHEET

License number: 37-15324-01

Docket or Reference number  
030-08915

Amendment No. 06

**"OFFICIAL RECORD COPY"**

Dodge Foundry and Machine Company  
6501 State Road  
Philadelphia, Pennsylvania 19135

In accordance with NRC Form 314 dated December 4, 1986, License Number 37-15324-01 is hereby terminated.

8702110392 861212  
REG1 LIC30  
37-15324-01 PDR

Date DEC 12 1986

For the U.S. Nuclear Regulatory Commission  
Original Signed By:  
John E. Glenn

By \_\_\_\_\_  
Nuclear Materials Safety and  
Safeguards Branch, Region I  
King of Prussia, Pennsylvania 19406

ML18

# CERTIFICATE OF DISPOSITION OF MATERIALS

(All items MUST be completed, please print)

LICENSEE NAME AND ADDRESS

Dodge Foundry & Machine Co.  
6501 State Road  
Phila, Pa. 19135

LICENSE NUMBER

37-15324-01

LICENSE EXPIRATION DATE

July 31, 1988

THE LICENSEE OR ANY INDIVIDUAL EXECUTING THIS CERTIFICATE ON BEHALF OF THE LICENSEE CERTIFIES THAT (Check and/or complete the appropriate items) below

### A MATERIALS DATA (Check one and complete, as necessary)

- 1 NO MATERIALS HAVE EVER BEEN POSSESSED OR PROCURED BY THE LICENSEE UNDER THIS LICENSE
- OR
- 2 ALL MATERIALS PROCURED AND/OR POSSESSED BY THE LICENSEE UNDER THE LICENSE NUMBER CITED ABOVE HAVE BEEN TRANSFERRED ON

DATE

12/2/86

TO Tech-Ops (Amersham)  
40 North Avenue  
Burlington, Mass.

WHICH HAS NRC LICENSE NUMBER

GRO/SME/204283601

- OR
- 3 ALL MATERIALS PROCURED AND/OR POSSESSED BY THE LICENSEE UNDER THE LICENSE NUMBER CITED ABOVE HAVE BEEN TRANSFERRED ON

DATE

TO

WHICH HAS LICENSE NUMBER

ISSUED BY THE STATE OF

AN AGREEMENT STATE PURSUANT TO SECTION 274 OF THE ATOMIC ENERGY ACT OF 1954, AS AMENDED, AND THE ENERGY REORGANIZATION ACT OF 1974

- OR
- 4 MATERIALS HAVE BEEN DISPOSED OF IN THE FOLLOWING MANNER (Describe specific disposal procedures if additional space is needed, use the reverse of this form, or provide attachments)

All radioactive materials classified, packaged, labeled, and shipped to Tech-Op (Amersham) 40 North Avenue, Burlington, Mass. 01803. See attached Tech-Op isotope receipts.

RECEIVED BY LIMS  
 12/12/86  
 REC 13 E  
 12/12/86

**FEE EXEMPT**

- 1 OUR LICENSE HAS NOT YET EXPIRED. PLEASE TERMINATE IT.
- 2 WAS A RADIATION SURVEY CONDUCTED TO CONFIRM THE ABSENCE OF LICENSED RADIOACTIVE MATERIALS AND TO DETERMINE WHETHER ANY CONTAMINATION REMAINS ON THE PREMISES COVERED BY THE LICENSE? (Check one)

NO

YES, THE RESULTS (Check one) Geiger counter reading by R.S.O. and leak tests of sealed source containers. (See attached leak tests from Tech-OPs) ARE ATTACHED, OR WERE FORWARDED TO NRC ON (Date)

- 3 THE PERSON TO BE CONTACTED REGARDING THE INFORMATION PROVIDED ON THIS FORM

NAME

William M. Kwasnik R.S.O.

TELEPHONE NUMBER

215-335-7800

- 4 MAIL ALL FUTURE CORRESPONDENCE REGARDING THIS LICENSE TO

William Kwasnik 100 Knox Blvd. Marlton, N.J. 08053

RETURN TO

8702110409 861212  
REG1 LIC30  
37-15324-01 PDR

DIRECTOR, DIVISION OF FUEL CYCLE AND MATERIAL SAFETY  
OFFICE OF NUCLEAR MATERIAL SAFETY AND SAFEGUARDS  
U.S. NUCLEAR REGULATORY COMMISSION  
WASHINGTON, DC 20555

ML10 106510

CERTIFYING OFFICIAL

SIGNATURE

William Kwasnik

PRINTED NAME AND TITLE

William M. Kwasnik R.S.O.

DATE

12/9/86

SALES COPY

# Tech/Ops, Inc.

RADIATION PRODUCTS DIVISION

Received From DODGE FOUNDRY & MACH.

Address 6501 STATE ROAD Date 12/2 1986

PHILADELPHIA, PA.

PREPAID

Via ST. JOHNSBURY

COLLECT

1	MODEL 650 <del>488</del> <del>514</del> S/D 3751K
1	IR 192 SOURCE S/N 0302 = 6.9 COMES
1	IR 192 SOURCE S/D 0342 = 83.9 COMES
	SURFACE RADIATION = 20 MR/HR TRANSPORT INDEX = 0.5
1	MOD 488 S/N 9, S/D 3776K
1	CO 60 SOURCE S/N 1894 = 14 COMES
1	CO 60 SOURCE S/D 1615 = 3 COMES
	SURFACE RADIATION = 10 MR/HR TRANSPORT INDEX = 0.4
1	MOD 779 OVERCOAT S/N 3

PERMAY PRESS (617) 898-4386

R 15913

*Arthur Leon*

RECEIVED BY - SIGNATURE

**Tech/Ops**

TECH/OPS RPD  
A DIVISION OF AMERSHAM

**Amersham**

Tech/Ops, Inc.  
Radiation Products Division  
40 North Avenue  
Burlington, MA 01803  
(617) 272-2000

**518  
LEAK TEST**

Co. Name Dodge Foundry P.O. No. \_\_\_\_\_  
 Street 6501 State Rd. NRC or \_\_\_\_\_  
Philadelphia, Pa. State License No. \_\_\_\_\_  
 City, State \_\_\_\_\_  
 Projector Model No. 402 Serial No. 117  
 Source Model No. \_\_\_\_\_ Serial No. \_\_\_\_\_ Curies EMPTY  
 IR-192 \_\_\_\_\_ CO-60 \_\_\_\_\_ CS-137 \_\_\_\_\_ Other \_\_\_\_\_  
 Wipe Performed By Alan Cain Date 11-11-86

The United States Nuclear Regulatory Commission requires that radiographic sources be tested for evidence of leaking at the time of manufacture and thereafter at not more than six-month intervals. The amount of removable contamination must not exceed 0.005 microcuries. If the test shows more than 0.005 microcurie of removable contamination, the source and equipment must be immediately taken out of service and be repaired or be disposed of. Please note that this source must be tested again on or before

FOR TECH-OPS USE ONLY

PROCESSED AT TECH/OPS ON 11-12-86  
 RADIOASSAY <.001 MICROCURIE  
 TEST PERFORMED BY Alan Cain  
 NEXT LEAK TEST DUE 5-11-87

White Original — Yellow Tech Ops — Pink Customer

**Tech/Ops**

TECH/OPS RPD  
A DIVISION OF AMERSHAM

**Amersham**

Tech/Ops, Inc.  
Radiation Products Division  
40 North Avenue  
Burlington, MA 01803  
(617) 272-2000

**518  
LEAK TEST**

Co. Name Dodge Foundry P.O. No. \_\_\_\_\_  
 Street 6501 State Rd. NRC or \_\_\_\_\_  
Philadelphia, Pa. State License No. \_\_\_\_\_  
 City, State \_\_\_\_\_  
 Projector Model No. 498 Serial No. 79  
 Source Model No. \_\_\_\_\_ Serial No. \_\_\_\_\_ Curies EMPTY  
 IR-192 \_\_\_\_\_ CO-60 \_\_\_\_\_ CS-137 \_\_\_\_\_ Other \_\_\_\_\_  
 Wipe Performed By Alan Cain Date 11-11-86

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 RADIOASSAY <.001 MICROCURIE  
 TEST PERFORMED BY Alan Cain  
 NEXT LEAK TEST DUE 5-11-87



**Tech/Ops, Inc.**  
 Radiation Products Division  
 40 North Avenue  
 Burlington, MA 01803  
 (617) 272-2000

**518 LEAK TEST**

**Amersham**

Co. Name Dodge Foundry P.O. No. \_\_\_\_\_  
 Street 6501 State Rd. NRC or \_\_\_\_\_  
 City, State Philadelphia, Pa. State License No. \_\_\_\_\_  
 Projector Model No. 446 Serial No. 59  
 Source Model No. \_\_\_\_\_ Serial No. \_\_\_\_\_ Curies EMPTY  
 IR-192 \_\_\_\_\_ CO-60 \_\_\_\_\_ CS-137 \_\_\_\_\_ Other \_\_\_\_\_  
 Wipe Performed By Alan Cain Date 11-11-86

The United States Nuclear Regulatory Commission requires that radiographic sources be tested for evidence of leaking at the time of manufacture and thereafter at not more than six-month intervals. The amount of removable contamination must not exceed 0.005 microcuries. If the test shows more than 0.005 microcurie of removable contamination, the source and equipment must be immediately taken out of service and be repaired or be disposed of. Please note that this source must be tested again on or before

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**Tech/Ops, Inc.**  
 Radiation Products Division  
 40 North Avenue  
 Burlington, MA 01803  
 (617) 272-2000

**518 LEAK TEST**

**Amersham**

Co. Name Dodge Foundry P.O. No. \_\_\_\_\_  
 Street 6501 State Rd. NRC or \_\_\_\_\_  
 City, State Philadelphia, Pa. State License No. \_\_\_\_\_  
 Projector Model No. 650 Serial No. 243  
 Source Model No. 424-1 (2) Serial No. 0302; 0342 Curies 8.1 ; 29.5 = total 37.6  
 IR-192 X CO-60 \_\_\_\_\_ CS-137 \_\_\_\_\_ Other \_\_\_\_\_  
 Wipe Performed By Alan Cain Date 11-11-86

The United States Nuclear Regulatory Commission requires that radiographic sources be tested for evidence of leaking at the time of manufacture and thereafter at not more than six-month intervals. The amount of removable contamination must not exceed 0.005 microcuries. If the test shows more than 0.005 microcurie of removable contamination, the source and equipment must be immediately taken out of service and be repaired or be disposed of. Please note that this source must be tested again on or before

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 RADIOASSAY <.001 MICROCURIE  
 TEST PERFORMED BY Alan Cain  
 NEXT LEAK TEST DUE 5-11-87



**Tech/Ops, Inc.**  
 Radiation Products Division  
 40 North Avenue  
 Burlington, MA 01803  
 (617) 272-2000

TECH/OPS RPD  
 A DIVISION OF AMERSHAM  
**Amersham**

**518  
 LEAK TEST**

Co Name Dodge Foundry P.O. No. \_\_\_\_\_  
 Street 6501 State Rd. NRC or \_\_\_\_\_  
 City, State Philadelphia, Pa. State License No. \_\_\_\_\_  
 Projector Model No. 488 Serial No. 9  
 Source Model No. 424-S ; 424-2 Serial No. 1894 ; 1615 Curies 14 ; 2.6 = 16.6 <sup>total</sup>  
 IR-192 \_\_\_\_\_ CO-60  CS-137 \_\_\_\_\_ Other \_\_\_\_\_  
 Wipe Performed By Alan Cain Date 11-11-86

The United States Nuclear Regulatory Commission requires that radiographic sources be tested for evidence of leaking at the time of manufacture and thereafter at not more than six-month intervals. The amount of removable contamination must not exceed 0.005 microcuries. If the test shows more than 0.005 microcurie of removable contamination, the source and equipment must be immediately taken out of service and be repaired or be disposed of. Please note that this source must be tested again on or before \_\_\_\_\_

FOR TECH-OPS USE ONLY  
 PROCESSED AT TECH/OPS ON 11-12-86  
 RADIOASSAY <.001 MICROCURIE  
 TEST PERFORMED BY Alan Cain  
 NEXT LEAK TEST DUE 5-11-87

White Original -- Yellow Tech/Ops -- Pink Customer



**Tech/Ops, Inc.**  
 Radiation Products Division  
 40 North Avenue  
 Burlington, MA 01803  
 (617) 272-2000

**518  
 LEAK TEST**

Co. Name Dodge Foundry & Machine P.O. No. \_\_\_\_\_  
 Street \_\_\_\_\_ NRC or \_\_\_\_\_  
 City, State Philadelphia, PA. State License No. \_\_\_\_\_  
 Projector Model No. 488 Serial No. 9  
 Source Model No. 424-2 Serial No. 1615 Curies ~3  
 IR-192 \_\_\_\_\_ CO-60  CS-137 \_\_\_\_\_ Other \_\_\_\_\_  
 Wipe Performed By Sae Piccolo Date 11-26-86

The United States Nuclear Regulatory Commission requires that radiographic sources be tested for evidence of leaking at the time of manufacture and thereafter at not more than six-month intervals. The amount of removable contamination must not exceed 0.005 microcuries. If the test shows more than 0.005 microcurie of removable contamination, the source and equipment must be immediately taken out of service and be repaired or be disposed of. Please note that this source must be tested again on or before \_\_\_\_\_

FOR TECH-OPS USE ONLY  
 PROCESSED AT TECH/OPS ON 11-26-86  
 RADIOASSAY <.001 MICROCURIE  
 TEST PERFORMED BY S. Piccolo  
 NEXT LEAK TEST DUE 5-26-87

White Original -- Yellow Tech/Ops -- Pink Customer

**Tech/Ops**

**Tech/Ops, Inc.**  
Radiation Products Division  
40 North Avenue  
Burlington, MA 01803  
(617) 272-2000

618  
**LEAK TEST**

Co. Name Dodge Foundry & Machine P O No \_\_\_\_\_  
Street \_\_\_\_\_ NRC or \_\_\_\_\_  
City, State Philadelphia PA. State License No \_\_\_\_\_  
Projector Model No 488 Serial No 9  
Source Model No 424-8 Serial No 1894 Curies ~14  
IR-192 \_\_\_\_\_ CO-60  CS-137 \_\_\_\_\_ Other \_\_\_\_\_  
Wipe Performed By Sae Piccolo Date 11-26-86

The United States Nuclear Regulatory Commission requires that radiographic sources be tested for evidence of leaking at the time of manufacture and thereafter at not more than six-month intervals. The amount of removable contamination must not exceed 0.005 microcuries. If the test shows more than 0.005 microcurie of removable contamination, the source and equipment must be immediately taken out of service and be repaired or be disposed of. Please note that this source must be tested again on or before

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