

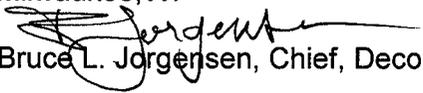


UNITED STATES
NUCLEAR REGULATORY COMMISSION

REGION III
801 WARRENVILLE ROAD
LISLE, ILLINOIS 60532-4351

October 18, 2000

MEMORANDUM TO: License File No. 48-00736-04
A. O. Smith Inc.
3533 North 27 th Street
Milwaukee, WI

THRU: 
Bruce L. Jorgensen, Chief, Decommissioning Branch

FROM: Edward L. Kulzer, Radiation Specialist

SUBJECT: CLOSE OUT OF THE LICENSE FILE

The terminated License File 48-00736-04 was forwarded to Region III for follow up as part of the Oak Ridge National Laboratory Terminated Sites Review because it lacked clear information as to the location of the following sealed sources when the license was terminated on September 9, 1964. The following sealed sources were listed on their license for use in radiography: Co-60 (Budd Company), no source to exceed 20 curies; Ir-192, no source exceeding 15 curies; Ir-192, no source exceeding 6 curies; Th-190, no source exceeding 10 curies; Sr-90 (Jordon Electronics), not to exceed one microcurie. The License was for A. O. Smith Inc., located in Milwaukee, WI.

Follow up on this case resulted in the identification of two Certificates of Disposition (COD) in the file dated August 20, 1963. One COD was for three Ir-192 sources and three sealed Co-60 sources, all sent to Gamma Industries located in Baton Rouge, LA. The second COD was for an Ir-192 source sent to Budd Company located in Phoenixville, PA. (Attachment 1)

The file also contains a letter from A. O. Smith dated July 24, 1964, in which the following sources were transferred to Larpn Industries and to Health Physics Associates Ltd. Larpn Industries received: one Co-60 source of 10 curies, one Ir-192 source of 5.2 curies, and one Sr-90 source of 1.0 micro curie (Jordon meter). Health Physics Associates Ltd. received one Tm-170 source of 0.6 curies, one Tm-170 source of 0.55 curies, two Ir-192 sources of 0.04 curies, one Sr-90 source of 1 micro curie (Victoreen meter), one Ir-192 source of 0.2 curies, and one Ir-192 source of 0.34 curies. (Attachment 2)

The attached documents are considered to probably reflect the proper disposition of the Co-60, Ir-192 and Sr-90 sources possessed under license 48-00736-04. No information was found regarding the small Th-230 source.

A. O. Smith of the above location was sold in April 1998 to Tower Automotive at that address. Mr. Smidt, Safety Officer, at Tower was contacted and knew of no radiological sources present. Mr. Berg, Environmental Officer at Tower, indicated that he could provide no additional information pertaining to the sources after questioning retired employees working in the welding department.

No further avenue could be identified as a means for determining final disposition of these sources.

Based on the above information Region III considers License File No. 48-00736-04 closed. No further action will be taken for 48-00736-04.

Attachments: As stated

cc: J. Buckley, NMSS
B. Snell, RIII

Attachment

UNITED STATES
ATOMIC ENERGY COMMISSION
CERTIFICATE—DISPOSITION OF RADIOISOTOPES

LICENSEE (Institution, firm, hospital, person, etc.)

LICENSE NUMBER

A. O. Smith Corporation

48-736-4
(J63)

ADDRESS

3533 North 27th Street, Milwaukee 1, Wisconsin

DEPARTMENT(S)

2868 - 2852

INDIVIDUAL RADIOISOTOPE USER(S)

G.P. Iverson, R.E. Schacht, S. Jackson, E. Haach, A. Bahrs, V. Paskvan
G. Ullein, D. Eckardt, P. Rinaldi, H. Taylor, C. Petzold

CERTIFICATION

The licensee and any individual executing this certification on behalf of the licensee certify that (check appropriate item(s) below):

No byproduct materials have been procured and/or possessed by licensee.

OR

All byproduct materials procured and/or possessed by licensee under Byproduct

Material License No. 48-736-4 have been:

(1) transferred to (state name of institution, firm, hospital, person, etc.)

Budd Company, Phoenixville, Pennsylvania

which has Byproduct Material License No. 37-611-4

(2) disposed of by decay.

(3) disposed of in compliance with the provisions of 10 CFR 20.

Remarks:

to IR¹⁹² Source Model AOS 1-1-4, Serial 1023
shipped for disposal

Gordon Iverson
(Signature of certifying official)

Date

8-20-63

UNITED STATES
ATOMIC ENERGY COMMISSION
CERTIFICATE—DISPOSITION OF RADIOISOTOPES

(Institution, firm, hospital, person, etc.)

LICENSE NUMBER

A.O. Smith Corporation

48-736-4
(J63)

ADDRESS

3533 North 27th Street, Milwaukee 1, Wisconsin

DEPARTMENT(S)

2868 - 2852

INDIVIDUAL RADIOISOTOPE USER(S)

P. Iverson, R.E. Schacht, S. Jackson, E. Haach, A. Bahrs, V. Paskvan
Ullein, D. Eckardt, P. Rinaldi, H. Taylor, C. Petzold

CERTIFICATION

The licensee and any individual executing this certification on behalf of the licensee certify that (check appropriate item(s) below):

No byproduct materials have been procured and/or possessed by licensee.

OR

All byproduct materials procured and/or possessed by licensee under Byproduct

Material License No. 48-736-4 have been:

(1) transferred to (state name of institution, firm, hospital, person, etc.)

Gamma Industries, Baton Rouge, Louisiana

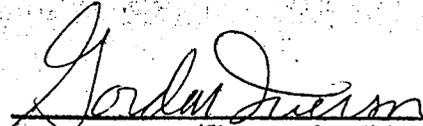
which has Byproduct Material License No. 17-363-3-(J64)

(2) disposed of by decay.

(3) disposed of in compliance with the provisions of 10 CFR 20.

Remarks:

2 sealed sources CO^{60} , Model C 5000, Serial 1 & 2
1 sealed source CO^{60} , Model Oakridge Lab., Serial #3
3 sealed sources IR^{192} , AOS 1-1, 1-2, 1-3, Serial IR 1,2,3
Shipped for disposal.


(Signature of certifying official)

Date

8-20-63

Handwritten notes:
A
P
Received

Handwritten:
26 20
Wom

Handwritten:
Attachment 2

ASmith CORPORATION

July 24, 1964

U. S. Atomic Energy Commission
Washington, D. C.

Attention: Mr. Nathan Bassin
Isotope Branch
Div. of Licensing & Regulations

Dear Mr. Bassin:

Attached is a list of radioactive material transferred
from A. O. Smith Corporation to Larpn Industries, Inc.
and to Health Physics Associates, Ltd.

Very truly yours

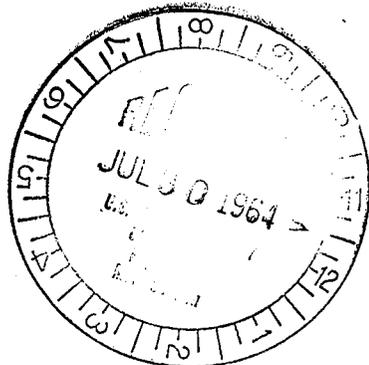
A. O. SMITH Corporation

Handwritten signature:
G. P. Iverson

G. P. Iverson, Director
N.D.T. Laboratory

GPI/lis

Attachment



CERTIFICATION OF STATUS OF RADIOISOTOPE (BYPRODUCT MATERIAL) PROGRAM
UNDER UNITED STATES ATOMIC ENERGY COMMISSION BYPRODUCT MATERIAL LICENSE

NUMBER 48-736-4

LICENSEE A. O. Smith Corporation

ADDRESS 3533 North 27th Street
Milwaukee 1, Wisconsin

DEPARTMENT(S) Nondestructive Testing Laboratories

INDIVIDUAL RADIOISOTOPE USER(S)

The licensee and any individual executing this certification on behalf of the licensee certify that (check appropriate item(s) below):

No byproduct materials have been procured and/or possessed by licensee.

All byproduct materials procured and/or possessed by licensee under Byproduct Material License No. 48-736-4 (J64) have:

(1) been transferred to SEE ATTACHMENTS 1 & 2
(Institution, firm, hospital, person, etc.)
which has Byproduct Material License No. ATTACHMENTS 1 & 2
(if known)

(2) been disposed of by decay.

(3) been disposed of in compliance with 10-CFR-20.

John J. Wilson
CERTIFYING OFFICIAL

7-23-64
DATE

48-736-4

ATTACHMENT 2

ByProduct: Material Transferred to Health Physics Associates, Ltd.
2356 Skokie Valley Road
Highland Park, Illinois
License #12-960-1-C-65

	Source No.	Curies	Date Transferred
1. TM70	25	.55c	3/23/64
2. TM70	30	.6c	7/3/64
3. IR192	1178	.04c	3/23/64
4. IR192	1179	.04c	3/23/64
5. Sr90	Victoreen Meter	1uc	7/3/64
6. IR192	1473	.2c	7/3/64
7. IR192	1457	.34c	7/3/64