

FISHER

Fisher Controls

March 17, 1986

Mr. Bruce S. Mallett
USNRC
Materials Licensing Station
799 Roosevelt Road
Glen Ellyn, Illinois 60137

REF: License #14-20400-02

Dear Mr. Mallett:

This letter concerns correction of and amendment to our NRC License #14-20400-02. Fisher was originally issued #14-20400-01. The license was reissued as -02 when Iowa became an agreement state.

It appears that Part B of 9 Authorized Use was deleted from the license. Reference Amendment 03, License #14-20400-01. If this is the case, please correct #14-20400-02 as required.

Amendments:

Condition 11. Fisher requests the following names be added and deleted from our license.

The individuals to be added will have received the training outlined in Amendment 03 of License #14-20400-01.

Added

Sue Ocel
Dan Stedham
Jim DeVine
Bob Stahlin
Martin Berutti
Lance Mriden
Dick Livingston
Stan Parnell
Kevin Wilbeck
Doug Butler
Pat Case
Gary Murray

Deleted

Woody Dickenson
Bill Gibbons
Mack Hudson
Mike Mulvaney
Jim Rogers
Jimmie Carroll
Carl English
Jim F. Henry
Alan Fernbaugh
Paul Nielson
Dan Unger

Log. *APR 30*
Rev. *10/85*
Check No. *09765-3*
Amount *859*
Date *4/2/86*
4/10/86
859

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MAR 27 1986
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CONTROL NO. 80968

MAR 27 1986



Mr. Bruce S. Mallett
March 17, 1986
Page Two

Added

Bill George
Jeff Hoffman
Ed Merwald
Kent Rumelhart
Johnny Dunlap
Jerry Miller
Mike Bruton
Harry Daniels

Deleted

Ron McMahon
Dan Fletcher
Ray Young
Tom Snead
Bill Gotthardt
Dan Crowley

If you have any questions regarding this request, please call me at 512-834-7370. Your prompt attention to this matter is greatly appreciated.

Very truly yours,

Gary R. Murray
Sr. Product Analyst, Level
Measurement Instrumentation Marketing

GRM:jc

MATERIALS LICENSE

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, 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); and to import such byproduct and source material. 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		3. License number	14-20400-01
1. Fisher Controls International		4. Expiration date	August 31, 1988
2. P. O. Box 11 Marshalltown, IA 50158		5. Docket or Reference No.	
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. Americium-241	A. Sealed Source (Gammatron, Inc. Model AN-HP)	A. 2 sources not to exceed 350 millicuries each	

9. Authorized Use

- A. To be used in Monsanto Chemical Intermediates Company Model NBS-1 Neutron Backscatter Level Detector.

CONDITIONS

10. Licensed material shall be used only at R. A. Engel Technical Center, Marshalltown, Iowa.
11. The licensee shall comply with the provisions of Title 10, Chapter 1, Code of Federal Regulations, Part 19, "Notices, Instructions and Reports to Workers; Inspections" and Part 20, "Standards for Protection Against Radiation."
12. Licensed material shall be used by, or under the supervision of, Donna L. Bresin or Bill Gotthardt.
13. Sealed sources containing licensed material shall not be opened or removed from the level detector by the licensee.

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MATERIALS LICENSE
SUPPLEMENTARY SHEET

License number

14-20400-01

Docket or Reference number

14. A. (1) Each sealed source containing licensed material, other than Hydrogen 3, with a half-life greater than thirty days and in any form other than gas shall be tested for leakage and/or contamination at intervals not to exceed six months. In the absence of a certificate from a transferor indicating that a test has been made within six months prior to the transfer, a sealed source received from another person shall not be put into use until tested.
- (2) The periodic leak test required by this condition does not apply to sealed sources that are stored and not being used. The sources excepted from this test shall be tested for leakage prior to any use or transfer to another person unless they have been leak tested within six months prior to the date of use or transfer.
- B. The test shall be capable of detecting the presence of 0.005 microcurie of radioactive material on the test sample. The test sample shall be taken from the sealed source or from the surfaces of the device in which the sealed source is permanently mounted or stored on which one might expect contamination to accumulate. Records of leak test results shall be kept in units of microcuries and maintained for inspection by the Commission.
- C. If the test reveals the presence of 0.005 microcurie or more of removable contamination, the licensee shall immediately withdraw the sealed source from use and shall cause it to be decontaminated and repaired or to be disposed of in accordance with Commission regulations. A report shall be filed within five (5) days of the test with the U.S. Nuclear Regulatory Commission, Region III, 799 Roosevelt Road, Glen Ellyn, Illinois 60137, describing the equipment involved, the test results, and the corrective action taken.
- D. Tests for leakage and/or contamination shall be performed by the licensee or by other persons specifically authorized by the Commission or an Agreement State to perform such services.
15. Except as specifically provided otherwise by this license, the licensee shall possess and use licensed material described in Items 6, 7, and 8 of this license in accordance with statements, representations, and procedures contained in application dated June 20, 1983 and letter dated July 27, 1983. The Nuclear Regulatory Commission's regulations shall govern the licensee's statements in applications or letters, unless the statements are more restrictive than the regulations.

For the U.S. Nuclear Regulatory Commission

Original Signed

By Ralph Meyer

Materials Licensing Section, Region III

Date August 5, 1983

CONTROL NO. 80968

COPY

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License number

14-20400-01

Docket or Reference number

Amendment No. 01

Fisher Controls International
P. O. Box 11
Marshalltown, IA 50158

In accordance with letter dated September 28, 1983, License No. 14-20400-01 is amended as follows:

Conditions 13. and 15. are amended to read:

13. Sealed sources contained in the level detector shall be installed or removed by or under the supervision of Donna L. Bresin or Bill Gotthardt in accordance with the procedures contained in letter dated September 28, 1983.
15. Except as specifically provided otherwise by this license, the licensee shall possess and use licensed material described in Items 6, 7, and 8 of this license in accordance with statements, representations, and procedures contained in application dated June 20, 1983; and letters dated July 27, 1983 and September 28, 1983. The Nuclear Regulatory Commission's regulations shall govern the licensee's statements in applications or letters, unless the statements are more restrictive than the regulations.

Condition 16. is added:

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

For the U.S. Nuclear Regulatory Commission

JAN 31 1984

Date

By

Ralph Meyer
Materials Licensing Section, Region III

CONTROL NO. 80968

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MATERIALS LICENSE
SUPPLEMENTARY SHEET

License number

14-20400-01

Docket or Reference number

Amendment No. 02

Fisher Controls International
P. O. Box 11
Marshalltown, IA 50158

In accordance with letter dated February 13, 1984, License No. 14-20400-01 is amended as follows:

Condition 12. is amended to read:

12. Licensed material shall be used by, or under the supervision of, Donna L. Bresin, Bill Gotthardt, or John Egnew.

For the U.S. Nuclear Regulatory Commission

MAR 09 1984

Date

By

Ralph Meyer
Materials Licensing Section, Region III

CONTROL NO. 80088

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**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License number

14-20400-01

Docket or Reference number

030-18348

Amendment No. 03

Fisher Controls International
P.O. Box 11
Marshalltown, IA 50158

In accordance with letter dated November 26, 1984, License Number 14-20400-01 is amended as follows:

Items 6., 7., 8., and 9. are amended to add:

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

B. Americium-241

B. Sealed Source
(Gammatron, Inc.
Model No. AN-HP)

B. 7 sources not to
exceed 200
millicuries each

9. Authorized Use

B. To be used in a Fisher Controls Level Detector Model No. LD2220 for demonstration of level detection on tanks and vessels.

Conditions 10., 12., and 15. are amended to read:

10. Licensed material may be used at R.A. Engel Technical Center, Marshalltown, IA 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.

12. A. Licensed material shall be used by, or under the supervision of, Donna L. Bresin, Bill Gotthardt or John Egnew.

B. Licensed material used for demonstration purposes shall be used by, and in the physical presence of the following individuals:

Donna Bresin, Carter Cartwright, Woody Dickinson, Brad Emry, Bruce Gumstrup, Bruce Johnson, Dave Plum, Mark Toman, Norm Wood, Bill Gibbons, Mack Hudson, Mike Mulvaney, Jim Rogers, Jimmie Carroll, Carl English, Jim F. Henry, Alan Fernbaugh, Paul Nielsen, Don Unger, Ron McMahan, Don Fletcher, and/or Ray Young.

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MATERIALS LICENSE
SUPPLEMENTARY SHEET

License number

14-20400-01

Docket or Reference number

030-18348

Amendment No. 03

15. Except as specifically provided otherwise by this license, the licensee shall possess and use licensed material described in Items 6, 7, and 8 of this license in accordance with statements, representations, and procedures contained in application dated June 20, 1983; and letters dated July 27, 1983, September 28, 1983, January 11, 1984 (with attachments), November 26, 1984 (with attachments), and January 3, 1985. The Nuclear Regulatory Commission's regulations shall govern the licensee's statements in applications or letters, unless the statements are more restrictive than the regulations.

Conditions 17. and 18. are added:

17. The licensee shall maintain records of the authorized users training certificates.
18. The licensee may transport licensed material or deliver licensed material to a carrier for transport in accordance with the provisions of Title 10, Code of Federal Regulations, Part 71, "Packaging of Radioactive Material for Transport and Transportation of Radioactive Material Under Certain Conditions."

For the U.S. Nuclear Regulatory Commission

Date JAN 18 1985

By William J. Alden
Materials Licensing Section, Region III

CONTROL NO. 80968

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License number
14-20400-01

Docket or Reference number
030-18348

Amendment No. 04

Fisher Controls International
P.O. Box 11
Marshalltown, IA 50158

In accordance with letter dated January 25, 1985, License Number 14-20400-01 is amended as follows:

Conditions 10., 12.B., and 15. are amended to read:

10. Licensed material may be used at R.A. Engle Technical Center, Marshalltown, Iowa 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. Licensed material may also be stored at the licensee's facilities located at Main Office Building and Center Street Plant, 205 South Center Street, Marshalltown, Iowa.
12. B. Licensed material used for demonstration purposes shall be used by, and in the physical presence of the following individuals: Donna Bresin, Carter Cartwright, Woody Dichinson, Brad Emry, Bruce Gumstrup, Bruce Johnson, Dave Plum, Mark Toman, Norm Wood, Bill Gibbons, Mack Hudson, Mike Mulvaney, Jim Rogers, Jimmie Carroll, Carl English, Jim F. Henry, Alan Fernbaugh, Paul Nielson, Don Unger, Ron McMahan, Don Fletcher, Ray Young, Don Crowley, Paul Adams, Emory Eichorn, Terry Buzbee, Cynthia Hubbard, and/or Tom Snead.
15. Except as specifically provided otherwise by this license, the licensee shall possess and use licensed material described in Items 6, 7, and 8 of this license in accordance with statements, representations, and procedures contained in application dated June 20, 1983; and letters dated July 27, 1983, September 28, 1983, January 11, 1984 (with attachments), November 26, 1984 (with attachments), January 3, 1985, and January 25, 1985. The Nuclear Regulatory Commission's regulations shall govern the licensee's statements in applications or letters, unless the statements are more restrictive than the regulations.

For the U.S. Nuclear Regulatory Commission

Date March 15, 1985

Original Signed
By Patricia J. Whiston
Materials Licensing Section, Region III

CONTROL NO. 80968

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**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License number 14-20400-01

Docket or Reference number 030-18348

Amendment No. 05

Fisher Controls International
P.O. Box 11
Marshalltown, IA 50158

License Number 14-20400-01 is amended as follows:

Condition 10. is amended to read:

10. Licensed material may be used at R.A. Engle Technical Center, Marshalltown, Iowa and at temporary job sites of the licensee throughout the State of Iowa.

For the U.S. Nuclear Regulatory Commission

Date DEC 26 1985

By *Bruce S. Mallitt*
Materials Licensing Section, Region III

CONTROL NO. 80068

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MATERIALS LICENSE

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, 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. Fisher Controls International	3. License number	14-20400-02
2. P.O. Box 11 Marshalltown, IA 50158	4. Expiration date	August 31, 1988
	5. Docket or Reference No.	
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. Americium-241	A. Sealed sources (Gammatron, Inc Model AN-HP)	A. 2 sources not to exceed 350 millicuries each
B. Americium-241	B. Sealed source (Gammatron, Inc. Model No. AN-HP)	B. 7 sources not to exceed 200 millicuries each
9. Authorized Use		
A. To be used in Monsanto Chemical Intermediates Company Model NBS-1 Neutron Backscatter Level Detector.		

CONDITIONS

10. Licensed material shall be used only 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. Licensed material shall be used by, and in the physical presence of the following individuals: Donna Bresin, Carter Cartwright, Woody Dichinson, Brad Emry, Bruce Gumstrup, Bruce Johnson, Dave Plum, Mark Toman, Norm Wood, Bill Gibbons, Mack Hudson, Mike Mulvaney, Jim Rogers, Jimmie Carroll, Carl English, Jim F. Henry, Alan Fernbaugh, Paul Nielson, Don Unger, Ron McMahan, Don Fletcher, Ray Young, Don Crawley, Paul Adams, Emory Eichorn, Terry Buzbee, Cynthia Hubbard, Tom Snead, Gill Gotthardt, or John Egnew.
12. The licensee shall maintain records of the authorized users training certificates.
13. All records required by condition of this license and/or Nuclear Regulatory Commission regulations shall be maintained at the licensee's permanent address at the R.A. Engle Technical Center, Marshalltown, Iowa.

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**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License number 14-20400-02

Docket or Reference number

14. The licensee may transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material".
15. Sealed sources contained in the level detector specified in Subitem 6.A., 7.A., 8.A., and 9.A. shall be installed or removed by, or under the supervision of Donna L. Bresin or Bill Gotthardt in accordance with procedures specified in letter dated September 28, 1983.
16. Sealed sources containing licensed material shall not be opened.
17. A. (1) The source(s) specified in Item(s) 7.A. and B. shall be tested for leakage and/or contamination at intervals not to exceed 6 months. Any source received from another person which is not accompanied by a certificate indicating that a test was performed within 6 months before the transfer shall not be put into use until tested.
(2) Notwithstanding the periodic leak test required by this condition, any licensed sealed source is exempt from such leak tests when the source contains 100 microcuries or less of beta and/or gamma emitting material or 10 microcuries or less of alpha emitting material.
B. Any source in storage and not being used need not be tested. When the source is removed from storage for use or transfer to another persons, it shall be tested before use or transfer.
C. The test shall be capable of detecting the presence of 0.005 microcurie of radioactive material on the test sample. If the test reveals the presence of 0.005 microcurie or more to removable contamination, the source shall be removed from service and decontaminated, repaired, or disposed of in accordance with Commission regulations. A report shall be filed within 5 days of the date the leak test result is known with the U.S. Nuclear Regulatory Commission, Region III, 799 Roosevelt Road, Glen Ellyn, Illinois 60137, ATTN: Chief, Nuclear Materials Safety and Safeguards Branch. The report shall specify the source involved, the test results, and corrective action taken. Records of leak test results shall be kept in units of microcuries and shall be maintained for inspection by the Commission. Records may be disposed of following Commission inspection.
D. Tests for leakage and/or contamination shall be performed by the licensee or by other persons specifically licensed by the Commission or an Agreement State to perform such services.

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License number

14-20400-02

Docket or Reference number

18. 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.

A. Application dated June 20, 1983 and

B. Letters dated July 27, 1983, September 28, 1983, January 11, 1984 (with attachments), November 26, 1984 (with attachments), January 3, 1985, and January 25, 1985.

For the U.S. Nuclear Regulatory Commission

Date DEC 26 1985

Original Signed
By Bruce S. Mallett
Materials Licensing Section, Region III

CONTROL NO. 80068

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